

Fluorescent minerals from Belgian localities

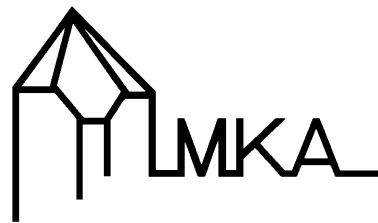
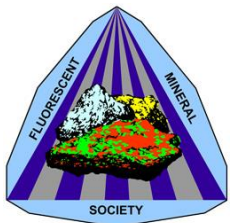
In the collection of the Royal Belgian Institute of Natural Sciences

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translation Vic Vanrusseelt



Being a collector of Belgian minerals and having a special interest in fluorescence, I went on a personal quest to find out how many different species of fluorescent minerals can be found within the borders of the country I call home, Belgium.

As a member of the MKA and the FMS, I, armed with my trusty UV light, had the privilege of investigating other people's collections up close. However, the total number of fluorescent species I ended up with was rather low. Moreover, the number of species that these people had personally collected was also very limited, even though the literature clearly stated that several more species were to be – or once had been – found in Belgium. That is why I hatched the idea to make a complete list of Belgian mineral species that (could) exhibit fluorescence.

It would only be a matter of finding an extensive collection to do my fluorescence research on. That is when the RBINS' collection came into view. In 1991, I contacted Professor R. Van Tassel, who at that time was associated with the mineralogy department of that institute. Professor Van Tassel referred me to Michel Deliens, the then curator of the institute's mineral collection. After a few meetings and after explaining to him what I wanted to achieve, I myself, together with a few of my fellow "fluorescence aficionados", got permission to do our research on the RBINS' collection of Belgian minerals.

We first visited the collection on 3 January 1992. 10 more visits would be necessary to complete our research on all relevant specimens. The hardest part of the entire investigation was that we were unable to completely darken the space we had to work in. The cabinets in this space were arranged along a central corridor with 6 corridors branching off on either side. Each of these side corridors had 7 cabinets. Each of these cabinets had about 10 drawers which contained the mineral specimens. The first two side corridors on either side were reserved for Belgian minerals. Each "research team" consisted of a fluorescence observer, someone who handled the specimen and someone who took notes. We used both a 250W lamp with a long wave filter and a 9W TUV lamp with a short wave filter as UV sources.

In the end we found around 2,500 fluorescent specimens in the collection. A large portion of these were calcite specimens exhibiting a wide range of fluorescence colours. Obviously there were also a few fascinating finds, such as fluorite from Seilles which fluoresces red under long wave. Here I would like to refer to an article by R. Vochten, K. Van Doorselaer and H. Dillen, which was published in the *Zeitschrift der Deutschen Gemmologischen Gesellschaft (Journal of the German Gemmological Association, Ed.)* in 1994: "*Fluorite from Seilles, Andenne, Belgium; Colouration, fluorescence and a remarkable crystal geometric discolouration phenomenon*". Fluorite that fluoresces red is fairly rare worldwide.

Another remarkable find is the fluorescence of brushite. The original label reads: "*Brushite, Crâne de l'infante Isabelle, Archiduchesse des Pays-Bas († 1633), Crypte de la cathédrale Ste-Gudule à Bruxelles, recueilli en 1943; Dét. R. Van Tassel 1943*". (Translation: "*Brushite, Skull of the Infanta Isabella, Archduchess of the Netherlands († 1633), crypt of the St Gudula cathedral in Brussels, collected in 1943; ID by R. Van Tassel 1943.*")

Holding a piece of history like that in your hands does something to a person. Further enquiry brought me to an article from the Royal Belgian Museum of Natural History, written by the late Professor René Van Tassel in 1944 (Bulletin du Musée Royal d'Histoire Naturelle de Belgique 22, 17), "*Présence de Brushite dans une crypte de l'église Ste-Gudule à Bruxelles*". (Translation: *Bulletin of the Royal Belgian Museum of Natural History 22, 17 "The presence of Brushite in a crypt of the St Gudula cathedral in Brussels."*) This article tells the whole story on this historic specimen.

A small example of the number of species and localities in the RBINS' collection, sorted alphabetically:

province	number of localities	number of mineral species
Antwerp	6	3
Brussels-Capital	1	2
Hainaut	58	10
Limburg	7	2
Liège	73	25
Luxembourg	11	10
Namur	57	14
Flemish Brabant	4	3
Walloon Brabant	8	6

On 14 October 2008, the complete list of fluorescent mineral specimens in the RBINS' collection was officially presented to Herman Goethals, the then curator of the institute's mineralogy department, in the presence of Prof. R. Van Tassel and Michel Deliens (see Geonieuws 33 10, December 2008).

We can reasonably say that this list is unique. No other country has such a list of fluorescent mineral species that can be found in that country.

mineral	number of localities	mineral	number of localities
albite	2	halite	1
allophane	3	halloysite	4
andalusite	2	hemimorphite	9
anglesite	3	hydrozincite	2
apatite	8	kaolinite	7
aragonite	10	pickeringite	1
baryte	19	pyromorphite	3
brushite	1	pyrophyllite	3
calcite	153	quartz concretions	1
cerussite	15	quartz inclusions	2
crandallite	1	scheelite	1
dolomite	8	smithsonite	4
epidote	1	spessartine	1
evansite	3	sphalerite	23
fluellite	2	wavellite	2
fluorite	13	willemite	2
gypsum	29	wulfenite	1

The following is a list of Belgian fluorescent mineral species and their fluorescence, as well as a list of these species sorted alphabetically by province.

List of Belgian fluorescent mineral species

sorted alphabetically by mineral name

The following data has been included:

- Mineral name
- Fluorescence under long wave UV
- Fluorescence under short wave UV
- Ph = phosphorescence
- Province
- Locality

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
1	Albite	cream	cream		Liège	Challes (Stavelot)
2	Albite	orange	orange		Vlaams Brabant	Lembecq
3	Allophane	cream	cream		Liège	Oneux (Theux)
4	Allophane	white	white		Liège	Theux
5	Allophane	white , cream , blue-green green	white , cream , blue-green green		Liège	Visé
6	Andalusite	cream	cream		Liège	Recht (Saint Vith)
7	Andalusite	cream			Luxembourg	Hébronval (Vielsalm)
8	Anglesite	yellow	yellow		Liège	Dickenbush, Moresnet (Plombières)
9	Anglesite	yellow , orange	yellow		Liège	Richelle (Visé)
10	Anglesite	white-blue, orange-yellow, yellow, yellow-brown	yellow-brown, yellow-white, white, blue, red		Liège	Welkenraedt
11	Anglesite	yellow, yellow-orange	yellow , yellow-green		Liège	Welkenraedt
12	Apatite	yellow-white	yellow	ph	Hainaut	Ciply (Mons)
13	Apatite	yellow-white	yellow		Hainaut	Cuesnes (Mons)
14	Apatite	Yellow			Luxembourg	Vielsalm
15	Apatite		orange		Luxembourg	Vielsalm
16	Apatite	green	green		Namur	Beez,Namur
17	Apatite	orange	orange		Liège	Alleurs (Ans)
18	Apatite	orange	orange		Liège	Momalle (Remicourt)
19	Apatite	yellow , orange	green , orange		Liège	Richelle (Visé)
20	Apatite	orange			Liège	Awans
21	Aragonite	white	white		Antwerpen	Deurne
22	Aragonite	yellow-white	yellow		Liège	Angleur
23	Aragonite	yellow	yellow	ph	Liège	Chaufontaine
24	Aragonite	yellow	yellow	ph	Liège	Cheratte (Wezet)
25	Aragonite	pale orange	dark yellow		Liège	Lavoir (Héron)
26	Aragonite	white	pink , white		Liège	Oteppe (Burdinne)
27	Aragonite	white	white		Liège	Remouchamps (Aywaille)
28	Aragonite	yellow	yellow		Liège	Sarolay, Argenta (Visé)
29	Aragonite	yellow	yellow		Namur	Dinant
30	Aragonite	white , yellow	red , yellow white		Namur	Roly , Philippeville
31	Barite	yellow	yellow		Hainaut	Blaton,Péruwelz (Bernissart)

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
32	Barite	yellow	cream	ph	Hainaut	Flénu (Mons)
33	Barite	orange			Hainaut	Fleurus,Hainaut
34	Barite	orange			Hainaut	Fleurus,Hainaut
35	Barite	yellow	yellow		Hainaut	Hornu (Boussu)
36	Barite	yellow			Hainaut	Mont-sur-Marchienne (Charleroi)
37	Barite	yellow-white	yellow-white		Liège	Angleur
38	Barite	yellow	yellow	ph	Liège	Bleiberg (Plombières)
39	Barite	yellow-white	yellow-white	ph	Liège	Chaufontaine
40	Barite	yellow-white	yellow-white		Liège	Engihoul (Engis)
41	Barite	orange	orange		Liège	Prayon (Trooz)
42	Barite	yellow	yellow	ph	Liège	Völkenrick (Plombières)
43	Barite	yellow	yellow	ph	Luxembourg	Martelange
44	Barite	yellow, yellow-white , orange	cream, yellow-white , orange	ph	Namur	Ave et Auffe, Rochefort
45	Barite	orange			Namur	Dourbes,Viroinval
46	Barite	orange	orange	ph	Namur	Gimnée, Doische
47	Barite	yellow	yellow		Namur	Ingremé (Philippeville)
48	Barite	yellow	yellow		Namur	Vaucelles, Doische
49	Barite	green , red , white , orange , yellow	green , red , white , yellow , orange		Namur	Vierves-sur-Viroin , Viroinval
50	Barite	yellow , orange	yellow , orange		Namur	Villers en Fagne , Philippeville
51	Brushite	yellow	yellow		Brussels-Capital Reg.	Brussels
52	Calcite	pink, red yellow	pink, red, yellow		Antwerpen	Booischot (Heist op den Berg)
53	Calcite	yellow	yellow		Antwerpen	Boom
54	Calcite	yellow	yellow		Antwerpen	Ramsel (Herselt)
55	Calcite	tan	tan		Antwerpen	Rumst
56	Calcite	yellow			Hainaut	Arquennes (Seneffe)
57	Calcite	white	white		Hainaut	Ath
58	Calcite	yellow , white , pink	yellow , pink , red, white	ph	Hainaut	Basecles (Beloeil)
59	Calcite		white , pink	ph	Hainaut	Baudour (Saint ghislain)
60	Calcite	pink , yellow	pink , yellow		Hainaut	Baudour (Saint ghislain)
61	Calcite	white	white	ph	Hainaut	Beaumont
62	Calcite	cream	cream		Hainaut	Beloeil,Ath
63	Calcite	yellow	yellow	ph	Hainaut	Bernissart

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
64	Calcite	pink , yellow , white , red, orange	pale pink , yellow , red , orange , cream	ph	Hainaut	Blaton (Bernissart)
65	Calcite	yellow	pink , yellow		Hainaut	Bray (Binche)
66	Calcite	yellow , blue white	white , yellow		Hainaut	Brugelette
67	Calcite	red + pale white	red		Hainaut	Carr.Gralez, Mont sur Marchienne, Hainaut
68	Calcite	white , yellow	white , yellow , pink	ph	Hainaut	Casteau (Soignies)
69	Calcite	red	red		Hainaut	Châtelet
70	Calcite	yellow + white + pink	yellow	ph	Hainaut	Châtelet
71	Calcite	white , orange	white	ph	Hainaut	Chercq (Tournai)
72	Calcite	white			Hainaut	Cherq (Tournai)
73	Calcite	red , yellow	red , yellow	ph	Hainaut	Couillet (Charleroi)
74	Calcite	yellow	yellow	ph	Hainaut	Couillet (Charleroi)
75	Calcite	red , yellow , pink white , orange	red , yellow , pink, orange		Hainaut	Ecaussines, Hainaut
76	Calcite	yellow white , yellow , red , brown	beige , yellow pink, yellow , red		Hainaut	Feluy
77	calcite	orange , red			Hainaut	Gilly (Charleroi)
78	Calcite	yellow outside	yellow		Hainaut	Givry, Hainaut
79	Calcite	white , yellow , pinl	white , pinl	ph	Hainaut	Godarville (Chapelle-Lez-Herlaimont)
80	Calcite	cream	cream	ph	Hainaut	Gougnies (Gerpennes)
81	Calcite	yellow white , yellow	yellow white , white		Hainaut	Hainaut
82	Calcite	red , pink	red		Hainaut	Hainaut
83	Calcite	red	red		Hainaut	Ham-sur-Herre-Nalinnes
84	Calcite	pink , yellow	cream , yellow		Hainaut	Harmagnies (Mons)
85	Calcite	pink , yellow , blue white , orange	pink , yellow , white , orange , red	ph	Hainaut	Landelies (Montigny-le-Tilleul)
86	Calcite	white	pink		Hainaut	Lessines
87	Calcite	brown , pink , white	pink , brown , red , white		Hainaut	Lessines
88	Calcite	red			Hainaut	Leuze en Hainaut
89	Calcite	white red			Hainaut	Leval-Trahegnies (Binche)
90	Calcite	pink , red	red		Hainaut	Maffle (Ath)
91	Calcite	red , white , orange	red , white , orange		Hainaut	Marcinelle (Charleroi)
92	Calcite	orange	orange		Hainaut	Maurage (La louvière)
93	Calcite	orange			Hainaut	Monceau sur Sambre (Charleroi)
94	Calcite	yellow , red , white , yellow-pink	yellow , red , orange , white , pink	ph	Hainaut	Mont sur Marchienne (Charleroi)
95	Calcite	cream	cream, pink		Hainaut	Montignies lez Lens

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
96	Calcite	cream , yellow , white	cream , yellow , white		Hainaut	Montigny le Tilleul
97	Calcite	orange-pink , red	yellow-pink	ph	Hainaut	Neufvilles (Soignies)
98	Calcite	pale red			Hainaut	Pâturages (Colfontaine)
99	Calcite	orange	orange		Hainaut	Pont-à-Rieu (Saint Maur)
100	Calcite	yellow	yellow	ph	Hainaut	Pont-à-Rieu (Saint Maur)
101	Calcite	yellow, white yellow	white, red, yellow	ph	Hainaut	Ramecroix (Tournai)
102	Calcite	pink + yellow	pink + yellow		Hainaut	Saint Ghislain
103	Calcite		yellow	ph	Hainaut	Seneffe
104	Calcite	pink , lilac , yellow	orange pink , blue ,brown	ph	Hainaut	Soignies
105	Calcite	white			Hainaut	St Symphorien (Mons)
106	Calcite	pink			Hainaut	Taminer
107	Calcite	yellow	yellow		Hainaut	Thiromont (Beaumont)
108	Calcite	yellow	white, red	ph	Hainaut	Tournai
109	Calcite	yellow , white yellow	cream , white	ph	Hainaut	Tournai
110	Calcite	yellow	yellow	ph	Hainaut	Vaulx-lez-Antoing (Antoing)
111	Calcite	white , yellow	white , yellow		Hainaut	Vireilles (Chimay)
112	Calcite	red	red		Liège	Ampsin (Amay)
113	Calcite	yellow	yellow		Liège	Angleur
114	Calcite	red	red		Liège	Argenteau (Visé)
115	Calcite	red	red		Liège	Awirs (Flémalle)
116	Calcite	pink , yellow , red , pink	pink , red , yellow		Liège	Bleiberg (Plombières)
117	Calcite	yellow orange	yellow orange		Liège	Braesberg (Plombières)
118	Calcite	white	white	ph	Liège	Chênée (Liège)
119	Calcite	yellow	yellow		Liège	Cheratte (Wezet)
120	Calcite	white, yellow-white , pink , orange-yellow , orange-red, yellow-brown	white, red , orange , pink , yellow-white, orange-red		Liège	Chokier
121	Calcite	yellow, red	yellow,red		Liège	Colomster (Sart-Tilman)
122	Calcite	yellow-white, white, orange	yellow, orange	ph	Liège	Comblain-au-pont
123	Calcite	red	red		Liège	Croix-les-Rouveroy (Estinnes)
124	Calcite	white	white		Liège	Dolembreux (Sprimont)
125	Calcite	white	white	ph	Liège	Engihoul (Engis)
126	Calcite	red , white , orange, yellow, pink, orange-yellow, yellow-brown	red, orange, white		Liège	Engis

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
127	Calcite	orange, yellow-brown	orange, yellow-brown		Liège	Esneux
128	Calcite	red yellow, orange	red, yellow-white, orange		Liège	Flemalle
129	Calcite	white-pink	red		Liège	Fossey (Plombières)
130	Calcite	yellow-white	yellow-white		Liège	Herstal (Liège)
131	Calcite	yellow	yellow		Liège	Hody (Anthisnes)
132	Calcite	red	red		Liège	La Mallieue , St Georges sur Meuse
133	Calcite	yellow-white	yellow-white	ph	Liège	La Rochette (Chaudfontaine)
134	Calcite	red	red		Liège	Les Avins, Leval
135	Calcite	yellow , red	red	ph	Liège	Liège
136	Calcite	white	white	ph	Liège	Magnee (Fléron)
137	Calcite	orange , red , white , yellow	orange , red , white , yellow	ph	Liège	Marneffe (Burdinne)
138	Calcite	white , red , yellow	white , red , yellow	ph	Liège	Moha (Wanze)
139	Calcite	orange	orange		Liège	Montzen (Plombières)
140	Calcite	yellow,red, white	red, white, yellow		Liège	Moresnet (Plombières)
141	Calcite	yellow	yellow		Liège	Prayon (Trooz)
142	Calcite	yellow-green	yellow		Liège	Remouchamps (Aywaille)
143	Calcite	red , white	red , white		Liège	Richelle (Visé)
144	Calcite	white	white	ph	Liège	Rocour (Liège)
145	Calcite	orange	orange		Liège	Schmalgraf (Lontzen)
146	Calcite	brown	brown		Liège	Seny (Tinlot)
147	Calcite	red , orange , white	red , orange , white	ph	Liège	Sprimont
148	Calcite	yellow white	yellow	ph	Liège	St Madelain (Liège)
149	Calcite	red	red		Liège	Theux
150	Calcite	white	white	ph	Liège	Tilff
151	Calcite	red, orange, blue-white, pink, yellow	red, orange, yellow		Liège	Visé
152	Calcite	yellow , white	red		Liège	Welkenraedt
153	Calcite	red	red		Liège	Wérister,Romsée (Fléron)
154	Calcite	yellow	yellow	ph	Limburg	Eigenbilzen
155	Calcite	yellow	yellow		Limburg	Houthalen (Houthalen-Helchteren)
156	Calcite		red		Luxembourg	Grand Halleux (Vielsalm)
157	Calcite	orange	orange		Luxembourg	Grapfontaine (Neufchâteau)
158	Calcite	yellow , white	red	ph	Luxembourg	Hotton

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
159	Calcite	red	red		Luxembourg	Resteigne
160	Calcite	brown	brown		Namur	Annevoie-Rouillon (Anhée)
161	Calcite	orange	orange		Namur	Ave et Auffe, Rochefort
162	Calcite	white , red , red-orange , white	yellow-white , red	ph	Namur	Beez,Namur
163	Calcite	white	white	ph	Namur	Berzée (Walcourt)
164	Calcite	red , yellow , cream		ph	Namur	Biesmes, Mettet
165	Calcite	white	white	ph	Namur	Cerfontaine
166	Calcite	white	white		Namur	Couvin
167	Calcite	orange-pink , white , yellow-brown , red, yellow , pink	red-pink,yellow , white, pink,	ph	Namur	Denée , Anhée
168	Calcite	dark green			Namur	Dinant
169	Calcite	cream		ph	Namur	Falaën (Sosye)
170	Calcite	red brown , white ,yellow	pink-red		Namur	Frasnes lez Couvin, Couvin
171	Calcite	white	brown-white	ph	Namur	Furfooz, Dinant
172	Calcite	yellow			Namur	Godinne, Yvoir
173	Calcite	white			Namur	Golzinne , Gembloux
174	Calcite	yellow	white	ph	Namur	Goyet-Moset (Gesves)
175	Calcite	yellow-white	brown white	ph	Namur	Haltinne, Gesves
176	Calcite	yellow			Namur	Han sur Lesse , Rochefort
177	Calcite	yellow-green	yellow-green		Namur	Hastière
178	Calcite	pink	pink	ph	Namur	Ingremé (Philippeville)
179	Calcite	yellow-white	yellow-white		Namur	Lanefte, Walcourt
180	Calcite	white pink		ph	Namur	Lavaux-Ste-Anne, Rochefort
181	Calcite	yellow	yellow		Namur	Lesve (Profondeville)
182	Calcite	yellow-brown	brown	ph	Namur	Marche-les-Dames, Namur
183	Calcite	red	red		Namur	Matagne la Grande, Doische
184	Calcite	red			Namur	Merlemont, Philippeville
185	Calcite	red			Namur	Namèche, Andenne
186	Calcite	red			Namur	Nismes , Viroinval
187	Calcite	weak orange	weak pink		Namur	Olloy sur Viroin, Viroinval
188	Calcite	yellow orange			Namur	Philippeville
189	Calcite	red			Namur	Poivache (Yvoir)

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
190	Calcite	cream , red , yellow , orange	red , orange		Namur	Rhisnes, La Bruyère
191	Calcite	yellow-white , orange-red	yellow-brown , red	ph	Namur	Rochefort
192	Calcite	orange , red , pink	red , pink		Namur	Sautour, Philippeville
193	Calcite	red			Namur	Sclaigneau,Vezin (Andenne)
194	Calcite	cream , red , yellow	white		Namur	Seilles,Andenne
195	Calcite	yellow, white, purple + phosphoresc.		ph	Namur	Sosoye (Anhée)
196	Calcite	yellow			Namur	Vaucelles, Doische
197	Calcite	yellow , pink , red , orange			Namur	Vedrin,Namur
198	Calcite	red , cream , orange	red	ph	Namur	Vierves-sur-Viroin , Viroinval
199	Calcite	pink-white , red , yellow	pink , red , pink-white		Namur	Villers en Fagne , Philippeville
200	Calcite	yellow , orange	orange , red	ph	Namur	Villers le Gambon, Philippeville
201	Calcite	yellow white			Namur	Vodelée, Doische
202	Calcite	white , yellow	red , white		Namur	Warnant , Anhée
203	Calcite	cream			Namur	Waulsort (Hastière)
204	Calcite	yellow	yellow-white	ph	Namur	Yvoir
205	Calcite	white	white	ph	Brabant Wallon	Court St Etienne
206	Calcite	orange	orange		Brabant Wallon	Nil Saint Vincent (Walhain)
207	Calcite	orange,pink red,white, yellow	red,pink,white,yellow		Brabant Wallon	Quenast (Rebecq)
208	Calcite	yellow , white , red	yellow	ph	Namur	Onoz, Jemeppe sur Sambre
209	Calcite	orange	cream		Namur	Salet , Bioul (Anhée)
210	Calcite	red	red		Hainaut	Antoing
211	Calcite	milky white	dark white		Hainaut	Godarville (Chapelle-Lez-Herlaimont)
212	Cerussite	yellow		ph	Hainaut	Mont sur Marchienne (Charleroi)
213	Cerussite	yellow	yellow		Liège	Angleur
214	Cerussite	yellow	yellow		Liège	Bleiberg (Plombières)
215	Cerussite	yellow	yellow		Liège	Chaufontaine
216	Cerussite	yellow	yellow		Liège	Engis
217	Cerussite	yellow	yellow		Liège	Oneux (Theux)
218	Cerussite	yellow	yellow		Liège	Richelle (Visé)
219	Cerussite	yellow	yellow		Liège	Theux
220	Cerussite	yellow	yellow		Liège	Welkenraedt
221	Cerussite	yellow			Luxembourg	Longvilly (Bastogne)

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
222	Cerussite	yellow			Namur	Marche-les-Dame, Namur
223	Cerussite	yellow			Namur	Rochefort
224	Cerussite	yellow-orange			Namur	Vonèche (Beuraing)
225	Cerussite	yellow			Namur	Vedrin, Namur
226	Cerussite	yellow	yellow		Namur	Villers en Fagne , Philippeville
227	Crandallite		green		Liège	Richelle (Visé)
228	Dolomite	white	white		Liège	Angleur
229	Dolomite	yellow	yellow	ph	Liège	Ben-Ahain (Huy)
230	Dolomite		red		Liège	Engis
231	Dolomite		red		Liège	La Calamine (Kelmis)
232	Dolomite		red		Liège	Moresnet (Plombières)
233	Dolomite	pink , red	pink , red		Luxembourg	Resteigne
234	Dolomite	white , brown	brown	ph	Namur	Dave (Namur)
235	Dolomite	red	red		Brabant Wallon	Bierghes (Rebecq)
236	Epidote	yellow	yellow		Vlaams Brabant	Lembecq
237	Evansite	green	green		Liège	Argenteau (Visé)
238	Evansite	green	green		Liège	Liège
239	Evansite	yellow-white	white		Liège	Richelle (Visé)
240	Fluellite	green , yellow-green	green , yellow-green		Liège	Richelle (Visé)
241	Fluellite	yellow	green		Liège	Argenteau (Visé)
242	Fluorite	blue	blue		Liège	Chokier
243	Fluorite	blue	blue		Liège	Comblain-au-pont
244	Fluorite	blue	blue		Liège	Engihoul (Engis)
245	Fluorite		blue	ph	Namur	Denée, Anhée
246	Fluorite	blue	white		Namur	Doische,
247	Fluorite	blue			Namur	Genimont, Rochefort
248	Fluorite	blue			Namur	Gimnée, Doische
249	Fluorite	blue			Namur	Lives-sur-Meuse , Namur
250	Fluorite	blue			Namur	Matagne la Grande, Doische
251	Fluorite	red			Namur	Rhisnes, La Bruyère
252	Fluorite	blue , red			Namur	Seilles, Andenne
253	Fluorite	red			Hainaut	Ecaussines

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
254	Fluorite	red			Hainaut	Neufvilles (Soignies)
255	Gypsum	cream	cream	ph	Antwerpen	Boom
256	Gypsum	cream	cream	ph	Antwerpen	Niel
257	Gypsum		cream		Hainaut	Boussu
258	Gypsum	cream	cream	ph	Hainaut	Hornu (Boussu)
259	Gypsum	cream	cream		Hainaut	Leval-Trahegnies (Binche)
260	Gypsum	cream	cream		Hainaut	Leval-Trahegnies (Binche)
261	Gypsum		cream	ph	Hainaut	Levan,Trahegnies (Binche)
262	Gypsum	cream	cream		Hainaut	Maurage (La Louvière)
263	Gypsum	cream	cream	ph	Hainaut	Rebaix (Ath)
264	Gypsum	cream	cream	ph	Hainaut	Tournai
265	Gypsum	yellow-cream , cream	yellow-cream , cream		Liège	Argenteau (Visé)
266	Gypsum		cream		Liège	Athus
267	Gypsum	weak cream	weak cream		Liège	Ben-Ahain (Huy)
268	Gypsum	cream	cream		Liège	Chokier
269	Gypsum	cream	cream	ph	Liège	Corphalie (Huy)
270	Gypsum	cream	cream	ph	Liège	Engis
271	Gypsum	cream	cream		Liège	La glaize (Stoumont)
272	Gypsum	weak cream , yellow	weak cream , yellow		Liège	La Rochette (Chaudfontaine)
273	Gypsum	yellow , weak cream	yellow , green , weak cream		Liège	Richelle (Visé)
274	Gypsum	cream	cream		Limburg	Beringen
275	Gypsum	weak cream	weak cream		Limburg	Eisden (Maasmechelen)
276	Gypsum	cream	yellow		Limburg	Henis (Tongeren)
277	Gypsum	cream	cream		Limburg	Reckhem
278	Gypsum	cream	cream		Limburg	Tongeren
279	Gypsum	cream , white	cream , white	ph	Namur	Naninne,Namur
280	Gypsum	cream	cream	ph	Namur	Rochefort
281	Gypsum	cream	cream	ph	Vlaams Brabant	Betekom (Begijnendijk)
282	Gypsum	cream	cream	ph	Vlaams Brabant	Holsbeek
283	Gypsum	cream	cream	ph	Vlaams Brabant	Pellenberg
284	Gypsum	cream	cream	ph	Brussels-Capital Reg.	Brussels
285	Gypsum	cream	cream	ph	Brabant Wallon	Rebecq

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
286	Halite	red	orange-red , red		Hainaut	Charleroi
287	Halloysite	cream, white	cream , white		Liège	Angleur
288	Halloysite	white , white-blue	white , green		Liège	Visé
289	Halloysite	yellow	blue		Liège	Welkenraedt
290	Hemimorphite	yellow	pink		Hainaut	Beaumont
291	Hemimorphite	yellow	yellow		Liège	Corphalie (Huy)
292	Hemimorphite	yellow	yellow, cream		Liège	La Calamine (Kelmis)
293	Hemimorphite	cream	blue		Liège	La Mallieue , St Georges sur Meuse
294	Hemimorphite	White , yellow-white , orange , cream , yellow-green	white , orange , cream , yellow , blue, yellow-green		Liège	Moresnet (Plombières)
295	Hemimorphite	yellow	yellow		Liège	Theux
296	Hemimorphite	yellow	yellow		Liège	Welkenraedt
297	Hemimorphite	white , brown , yellow	pink		Namur	Philippeville
298	Hemimorphite	yellow			Namur	Velaire, Sambreville
299	Hydrozincite		blue		Liège	Le Rocheux (Theux)
300	Hydrozincite	green	blue , yellow		Liège	Plombières
301	Kaolinite	orange , yellow-green	orange , yellow-green		Liège	Moresnet (Plombières)
302	Kaolinite	white	white	ph	Liège	St Gilles (Liège)
303	Kaolinite	orange , white	orange , white		Liège	Val Benoit (Liège)
304	Kaolinite	yellow	yellow		Luxembourg	Assenois (Vaux-sur-Sûre)
305	Kaolinite	white	yellow		Luxembourg	Libramont
306	Kaolinite	orange, yellow	orange , pink		Liège	Mons-Lez-liège (Flémalle)
307	Kaolinite	orange , yellow	orange , pink		Liège	Liège
308	Pickeringite	green	green		Brabant Wallon	Mont-Saint-Guibert
309	Pyromorphite	yellow	yellow-brown		Liège	Angleur
310	Pyromorphite	orange , yellow	orange , yellow		Liège	Richelle (Visé)
311	Pyromorphite	white, green, brown, yellow-white	yellow-white		Namur	Vedrin, Namur
312	Pyrophyllite	yellow		ph	Hainaut	Lessines
313	Pyrophyllite	yellow	yellow		Liège	Spa
314	Pyrophyllite	yellow			Luxembourg	Ottre, Bihain (Vielsalm)
315	Quartz inclusion	yellow	yellow		Brabant Wallon	Wauthier-Braine (Braine-le-Château)
316	Quartz inclusion	yellow			Hainaut	Fontaine l'Evêque (Anderlues)

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
317	Scheelite		yellow-blue		Liège	Eupen
318	Silicious concretions	yellow	yellow		Brabant Wallon	Maransart (Lasne)
319	Smithsonite	cream	red		Liège	La Calamine (Kelmis)
320	Smithsonite	yellow-brown, yellow-white	yellow-brown, yellow-white		Liège	Moresnet(Plombières)
321	Smithsonite	orange	orange		Liège	Stembert (Verviers)
322	Smithsonite	yellow-white	yellow-white	ph	Namur	Philippeville
323	Spessartine	white, orange	cream		Luxembourg	Vielsalm
324	Sphalerite	yellow	yellow		Liège	Amay (Huy)
325	Sphalerite	orange	orange		Liège	Angleur
326	Sphalerite	orange	orange		Liège	Awirs (Flémalle)
327	Sphalerite	orange	orange		Liège	Bleiberg (Plombières)
328	Sphalerite	orange	orange		Liège	Corphalie (Huy)
329	Sphalerite	cream	cream		Liège	Flemalle
330	Sphalerite	orange	orange		Liège	Herbesthal (Lontzen)
331	Sphalerite	orange			Liège	La Calamine (Kelmis)
332	Sphalerite	orange	orange		Liège	La Mallieue , St Georges sur Meuse
333	Sphalerite	orange	orange		Liège	Liège
334	Sphalerite	orange,yellow	orange, yellow		Liège	Montzen (Plombières)
335	Sphalerite	orange	orange		Liège	Moresnet (Plombières)
336	Sphalerite	yellow			Liège	Plombières
337	Sphalerite	orange	orange		Liège	Poppelsberg (Lontzen)
338	Sphalerite	orange, yellow	orange , pink , yellow		Liège	Schmalgraf (Lontzen)
339	Sphalerite	orange	orange		Liège	Sippenaeken (Plombières)
340	Sphalerite	orange	orange		Liège	Stembert (Verviers)
341	Sphalerite	orange	red		Namur	Sautour, Philippeville
342	Sphalerite	orange			Namur	Seilles,Andenne
343	Sphalerite	orange			Namur	Vedrin,Namur
344	Sphalerite	yellow			Liège	Berleur (Grâce Hollogne)
345	Sphalerite	orange	orange		Liège	Engis
346	Sphalerite	Orange, yellow	yellow, orange		Liège	Welkenraedt
347	Wavellite	yellow-white	yellow-green		Luxembourg	Ottré,Bihain (Vielsalm)
348	Wavellite	yellow , orange	yellow-white , yellow		Namur	Haut le Wastia, Anhée

	Mineral	Long Wave	Short Wave	Ph	Province	Municipality
349	Willemite	brown	brown	ph	Liège	Baelen
350	Willemite	green, yellow, orange , cream	green, yellow, orange , cream	ph	Liège	Moresnet (Plombières)
351	Wulfenite		orange		Liège	Richelle (Visé)

List of Belgian fluorescent mineral species

sorted alphabetically by locality and by province

The following data has been included:

- Mineral name
- Fluorescence under long wave UV
- Fluorescence under short wave UV
- Ph = phosphorescence
- Province
- Locality

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
1	Antwerpen	Booischoot (Heist op den Berg)	Calcite	pink, red yellow	pink, red, yellow	
2	Antwerpen	Boom	Calcite	yellow	yellow	
3	Antwerpen	Boom	Gypsum	cream	cream	ph
4	Antwerpen	Deurne	Aragonite	white	white	
6	Antwerpen	Niel	Gypsum	cream	cream	ph
5	Antwerpen	Ramsel (Herselt)	Calcite	yellow	yellow	
7	Antwerpen	Rumst	Calcite	tan	tan	
1	Brabant Wallon	Bierghes (Rebecq)	Dolomite	red	red	
2	Brabant Wallon	Court St Etienne	Calcite	white	white	ph
3	Brabant Wallon	Maransart (Lasne)	Silicious	yellow	yellow	
4	Brabant Wallon	Mont-Saint-Guibert	Pickeringite	green	green	
5	Brabant Wallon	Nil Saint Vincent (Walhain)	Calcite	orange	orange	
6	Brabant Wallon	Quenast (Rebecq)	Calcite	orange,pink red,white, yellow	red,pink,white,yellow	
7	Brabant Wallon	Rebecq	Gypsum	cream	cream	ph
8	Brabant Wallon	Wauthier-Braine (Braine-le-Château)	Quartz	yellow	yellow	
1	Brussels-Capital Reg.	Brussels	Gypsum	cream	cream	ph
2	Brussels-Capital Reg.	Brussels	Brushite	yellow	yellow	
1	Hainaut	Antoing	Calcite	red	red	
2	Hainaut	Arquennes (Seneffe)	Calcite	yellow		
3	Hainaut	Ath	Calcite	white	white	
4	Hainaut	Basecles (Beloeil)	Calcite	yellow , white , pink	yellow , pink , red, white	ph
5	Hainaut	Baudour (Saint ghislain)	Calcite		white , pink	ph
6	Hainaut	Baudour (Saint ghislain)	Calcite	pink , yellow	pink , yellow	
7	Hainaut	Beaumont	Hemimorphite	yellow	pink	
8	Hainaut	Beaumont	Calcite	white	white	ph
9	Hainaut	Beloeil,Ath	Calcite	cream	cream	
10	Hainaut	Bernissart	Calcite	yellow	yellow	ph
11	Hainaut	Blaton (Bernissart)	Calcite	pink , yellow , white , red, orange	pale pink , yellow , red , orange , cream	ph
12	Hainaut	Blaton,Péruwelz (Bernissart)	Barite	yellow	yellow	
13	Hainaut	Boussu	Gypsum		cream	
14	Hainaut	Bray (Binche)	Calcite	yellow	pink , yellow	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
15	Hainaut	Brugelle	Calcite	yellow , blue white	white , yellow	
17	Hainaut	Casteau (Soignies)	Calcite	white , yellow	white , yellow , pink	ph
18	Hainaut	Charleroi	Halite	red	orange-red , red	
19	Hainaut	Châtelet	Calcite	red	red	
20	Hainaut	Châtelet	Calcite	yellow + white + pink	yellow	ph
21	Hainaut	Cherq (Tournai)	Calcite	white , orange	white	ph
22	Hainaut	Cherq (Tournai)	Calcite	white		
23	Hainaut	Ciply (Mons)	Apatite	yellow-white	yellow	ph
24	Hainaut	Couillet (Charleroi)	Calcite	red , yellow	red , yellow	ph
25	Hainaut	Couillet (Charleroi)	Calcite	yellow	yellow	ph
26	Hainaut	Cuesnes (Mons)	Apatite	yellow-white	yellow	
27	Hainaut	Ecaussines	Fluorite	red		
28	Hainaut	Ecaussines,Hainaut	Calcite	red , yellow ,pink white , orange	red , yellow ,pink, orange	
29	Hainaut	Feluy	Calcite	yellow white , yellow , red , brown	beige , yellow pink, yellow , red	
30	Hainaut	Flénu (Mons)	Barite	yellow	cream	ph
31	Hainaut	Fleurus,Hainaut	Barite	orange		
32	Hainaut	Fleurus,Hainaut	Barite	orange		
33	Hainaut	Fontaine l'Evêque (Anderlues)	Quartz inclusion	yellow		
34	Hainaut	Gilly (Charleroi)	Calcite	orange , red		
35	Hainaut	Givry,Hainaut	Calcite	yellow outside	yellow	
36	Hainaut	Godarville (Chapelle-Lez-Herlaimont)	Calcite	milky white	dark white	
37	Hainaut	Godarville (Chapelle-Lez-Herlaimont)	Calcite	white , yellow , pinl	white , pinl	ph
38	Hainaut	Gougnies (Gerpinnes)	Calcite	cream	cream	ph
39	Hainaut	Hainaut	Calcite	yellow white , yellow	yellow white , white	
40	Hainaut	Hainaut	Calcite	red , pink	red	
41	Hainaut	Ham-sur-Herre-Nalinnes	Calcite	red	red	
42	Hainaut	Harmagnies (Mons)	Calcite	pink , yellow	cream , yellow	
43	Hainaut	Hornu (Boussu)	Barite	yellow	yellow	
44	Hainaut	Hornu (Boussu)	Gypsum	cream	cream	ph
45	Hainaut	Landelies (Montigny-le-Tilleul)	Calcite	pink , yellow , blue white , orange	pink , yellow , white , orange , red	ph
46	Hainaut	Lessines	Calcite	white	pink	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
47	Hainaut	Lessines	Calcite	brown , pink , white	pink , brown , red , white	
48	Hainaut	Lessines	Pyrophyllite	yellow		ph
49	Hainaut	Leuze en Hainaut	Calcite	red		
50	Hainaut	Leval-Trahegnies (Binche)	Calcite	white red		
51	Hainaut	Leval-Trahegnies (Binche)	Gypsum	cream	cream	
52	Hainaut	Leval-Trahegnies (Binche)	Gypsum	cream	cream	
53	Hainaut	Levan,Trahegnies (Binche)	Gypsum		cream	ph
54	Hainaut	Maffle (Ath)	Calcite	pink , red	red	
55	Hainaut	Marcinelle (Charleroi)	Calcite	red , white , orange	red , white , orange	
56	Hainaut	Maurage (La louvière)	Calcite	orange	orange	
57	Hainaut	Maurage (La Louvière)	Gypsum	cream	cream	
58	Hainaut	Monceau sur Sambre (Charleroi)	Calcite	orange		
59	Hainaut	Mont-sur-Marchienne (Charleroi)	Calcite	yellow , red , white , yellow-pink	yellow, red , orange , white , pink	ph
60	Hainaut	Mont-sur-Marchienne (Charleroi)	Cerussite	yellow		ph
61	Hainaut	Montignies lez Lens	Calcite	cream	cream, pink	
62	Hainaut	Montigny le Tilleul	Calcite	cream , yellow , white	cream , yellow , white	
63	Hainaut	Mont-sur-Marchienne (Charleroi)	Barite	yellow		
64	Hainaut	Neufvilles (Soignies)	Fluorite	red		
65	Hainaut	Neufvilles (Soignies)	Calcite	orange-pink , red	yellow-pink	ph
66	Hainaut	Pâturages (Colfontaine)	Calcite	pale red		
67	Hainaut	Pont-à-Rieu (Saint Maur)	Calcite	orange	orange	
68	Hainaut	Pont-à-Rieu (Saint Maur)	Calcite	yellow	yellow	ph
69	Hainaut	Ramecroix (Tournai)	Calcite	yellow , white yellow	white , red , yellow	ph
70	Hainaut	Rebaix (Ath)	Gypsum	cream	cream	ph
71	Hainaut	Saint Ghislain	Calcite	pink + yellow	pink + yellow	
72	Hainaut	Seneffe	Calcite		yellow	ph
73	Hainaut	Soignies	Calcite	pink , lilac , yellow	orange pink , blue ,brown	ph
74	Hainaut	St Symphorien (Mons)	Calcite	white		
75	Hainaut	Taminer	Calcite	pink		
76	Hainaut	Thiromont (Beaumont)	Calcite	yellow	yellow	
77	Hainaut	Tournai	Calcite	yellow	white, red	ph

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
78	Hainaut	Tournai	Gypsum	cream	cream	ph
79	Hainaut	Tournai	Calcite	yellow , white yellow	cream , white	ph
80	Hainaut	Vaulx-lez-Antoing (Antoing)	Calcite	yellow	yellow	ph
81	Hainaut	Vireilles (Chimay)	Calcite	white , yellow	white , yellow	
1	Liège	Alleurs (Ans)	Apatite	orange	orange	
2	Liège	Amay (Huy)	Sphalerite	yellow	yellow	
3	Liège	Ampsin (Amay)	Calcite	red	red	
4	Liège	Angleur	Sphalerite	orange	orange	
5	Liège	Angleur	Aragonite	yellow-white	yellow	
6	Liège	Angleur	Barite	yellow-white	yellow-white	
7	Liège	Angleur	Calcite	yellow	yellow	
8	Liège	Angleur	Cerussite	yellow	yellow	
9	Liège	Angleur	Dolomite	white	white	
10	Liège	Angleur	Halloysite	cream, white	cream , white	
11	Liège	Angleur	Pyromorphite	yellow	yellow-brown	
12	Liège	Argenteau (Visé)	Calcite	red	red	
13	Liège	Argenteau (Visé)	Evansite	green	green	
14	Liège	Argenteau (Visé)	Fluellite	yellow	green	
15	Liège	Argenteau (Visé)	Gypsum	yellow-cream , cream	yellow-cream , cream	
16	Liège	Athus	Gypsum		cream	
17	Liège	Awans	Apatite	orange		
18	Liège	Awirs (Flémalle)	Calcite	red	red	
19	Liège	Awirs (Flémalle)	Sphalerite	orange	orange	
20	Liège	Baelen	Willemite	brown	brown	ph
21	Liège	Ben-Ahain (Huy)	Gypsum	weak cream	weak cream	
22	Liège	Ben-Ahain (Huy)	Dolomite	yellow	yellow	ph
23	Liège	Berleur (Grâce Hollogne)	Sphalerite	yellow		
24	Liège	Bleiberg (Plombières)	Calcite	pink , yellow , red , pink	pink , red , yellow	
25	Liège	Bleiberg (Plombières)	Sphalerite	orange	orange	
26	Liège	Bleiberg (Plombières)	Barite	yellow	yellow	ph
27	Liège	Bleiberg (Plombières)	Cerussite	yellow	yellow	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
28	Liège	Braesberg (Plombières)	Calcite	yellow orange	yellow orange	
29	Liège	Challes (Stavelot)	Albite	cream	cream	
30	Liège	Chaufontaine	Barite	yellow-white	yellow-white	ph
31	Liège	Chaufontaine	Aragonite	yellow	yellow	ph
32	Liège	Chaufontaine	Cerussite	yellow	yellow	
33	Liège	Chênée (Liège)	Calcite	white	white	ph
34	Liège	Cheratte (Wezet)	Aragonite	yellow	yellow	ph
35	Liège	Cheratte (Wezet)	Calcite	yellow	yellow	
36	Liège	Chokier	Calcite	white, yellow-white , pink , orange-yellow , orange-red, yellow-brown	white, red , orange , pink , yellow-white, orange-red	
37	Liège	Chokier	Fluorite	blue	blue	
38	Liège	Chokier	Gypsum	cream	cream	
39	Liège	Colomster (Sart-Tilman)	Calcite	yellow, red	yellow,red	
40	Liège	Comblain-au-pont	Calcite	yellow-white, white, orange	yellow, orange	ph
41	Liège	Comblain-au-pont	Fluorite	blue	blue	
42	Liège	Corphalie (Huy)	Sphalerite	orange	orange	
43	Liège	Corphalie (Huy)	Gypsum	cream	cream	ph
44	Liège	Corphalie (Huy)	Hemimorphite	yellow	yellow	
45	Liège	Croix-les-Rouveroy (Estinnes)	Calcite	red	red	
46	Liège	Dickenbush, Moresnet (Plombières)	Anglesite	yellow	yellow	
47	Liège	Dolembreux (Sprimont)	Calcite	white	white	
48	Liège	Engihoul (Engis)	Calcite	white	white	ph
49	Liège	Engihoul (Engis)	Barite	yellow-white	yellow-white	
50	Liège	Engihoul (Engis)	Fluorite	blue	blue	
51	Liège	Engis	Sphalerite	orange	orange	
52	Liège	Engis	Calcite	red , white , orange, yellow, pink, orange-yellow, yellow-brown	red, orange, white	
53	Liège	Engis	Cerussite	yellow	yellow	
54	Liège	Engis	Dolomite		red	
55	Liège	Engis	Gypsum	cream	cream	ph
56	Liège	Esneux	Calcite	orange, yellow-brown	orange, yellow-brown	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
57	Liège	Eupen	Scheelite		yellow-blue	
58	Liège	Flemalle	Calcite	red yellow, orange	red, yellow-white, orange	
59	Liège	Flemalle	Sphalerite	cream	cream	
60	Liège	Fossey (Plombières)	Calcite	white-pink	red	
61	Liège	Herbesthal (Lontzen)	Sphalerite	orange	orange	
62	Liège	Herstal (Liège)	Calcite	yellow-white	yellow-white	
63	Liège	Hody (Anthisnes)	Calcite	yellow	yellow	
64	Liège	La Calamine (Kelmis)	Smithsonite	cream	red	
65	Liège	La Calamine (Kelmis)	Dolomite		red	
66	Liège	La Calamine (Kelmis)	Hemimorphite	yellow	yellow, cream	
67	Liège	La Calamine (Kelmis)	Sphalerite	orange		
68	Liège	La glaize (Stoumont)	Gypsum	cream	cream	
69	Liège	La Mallieue , St Georges sur Meuse	Calcite	red	red	
70	Liège	La Mallieue , St Georges sur Meuse	Sphalerite	orange	orange	
71	Liège	La Mallieue , St Georges sur Meuse	Hemimorphite	cream	blue	
72	Liège	La Rochette (Chaudfontaine)	Calcite	yellow-white	yellow-white	ph
73	Liège	La Rochette (Chaudfontaine)	Gypsum	weak cream , yellow	weak cream , yellow	
74	Liège	Lavoir (Héron)	Aragonite	pale orange	dark yellow	
75	Liège	Le Rocheux (Theux)	Hydrozincite		blue	
76	Liège	Les Avins, Leval	Calcite	red	red	
77	Liège	Liège	Evansite	green	green	
78	Liège	Liège	Calcite	yellow , red	red	ph
79	Liège	Liège	Kaolinite	orange , yellow	orange , pink	
80	Liège	Liège	Sphalerite	orange	orange	
81	Liège	Magnee (Fléron)	Calcite	white	white	ph
82	Liège	Marneffe (Burdinne)	Calcite	orange , red , white , yellow	orange , red , white , yellow	ph
83	Liège	Moha (Wanze)	Calcite	white , red , yellow	white , red , yellow	ph
84	Liège	Momalle (Remicourt)	Apatite	orange	orange	
85	Liège	Mons-Lez-liège (Flémalle)	Kaolinite	orange, yellow	orange , pink	
86	Liège	Montzen (Plombières)	Sphalerite	orange,yellow	orange, yellow	
87	Liège	Montzen (Plombières)	Calcite	orange	orange	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
88	Liège	Montzen (Plombières)	Sphalerite	orange	orange	
89	Liège	Montzen (Plombières)	Smithsonite	yellow-brown, yellow-white	yellow-brown, yellow-white	
90	Liège	Montzen (Plombières)	Calcite	yellow,red, white	red, white, yellow	
91	Liège	Montzen (Plombières)	Dolomite		red	
92	Liège	Montzen (Plombières)	Hemimorphite	White , yellow-white , orange , cream , yellow-green	white , orange , cream , yellow , blue, yellow-green	
93	Liège	Montzen (Plombières)	Willemite	green, yellow, orange , cream	green, yellow, orange , cream	ph
94	Liège	Montzen (Plombières)	Kaolinite	orange , yellow-green	orange , yellow-green	
95	Liège	Oneux (Theux)	Cerussite	yellow	yellow	
96	Liège	Oneux (Theux)	Allophane	cream	cream	
97	Liège	Oteppe (Burdinne)	Aragonite	white	pink , white	
98	Liège	Plombières	Hydrozincite	green	blue , yellow	
99	Liège	Plombières	Sphalerite	yellow		
100	Liège	Poppelsberg (Lontzen)	Sphalerite	orange	orange	
101	Liège	Prayon (Trooz)	Barite	orange	orange	
102	Liège	Prayon (Trooz)	Calcite	yellow	yellow	
103	Liège	Recht (Saint Vith)	Andalusite	cream	cream	
104	Liège	Remouchamps (Aywaille)	Aragonite	white	white	
105	Liège	Remouchamps (Aywaille)	Calcite	yellow-green	yellow	
106	Liège	Richelle (Visé)	Anglesite	yellow , orange	yellow	
107	Liège	Richelle (Visé)	Apatite	yellow , orange	green , orange	
108	Liège	Richelle (Visé)	Calcite	red , white	red , white	
109	Liège	Richelle (Visé)	Cerussite	yellow	yellow	
111	Liège	Richelle (Visé)	Crandallite		green	
113	Liège	Richelle (Visé)	Evansite	yellow-white	white	
114	Liège	Richelle (Visé)	Fluellite	green , yellow-green	green , yellow-green	
115	Liège	Richelle (Visé)	Gypsum	yellow , weak cream	yellow , green , weak cream	
117	Liège	Richelle (Visé)	Pyromorphite	orange , yellow	orange , yellow	
120	Liège	Richelle (Visé)	Wulfenite		orange	
121	Liège	Rocour (Liège)	Calcite	white	white	ph
122	Liège	Sarolay, Argentaun (Visé)	Aragonite	yellow	yellow	

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
123	Liège	Schmalgraf (Lontzen)	Sphalerite	orange, yellow	orange , pink , yellow	
124	Liège	Schmalgraf (Lontzen)	Calcite	orange	orange	
125	Liège	Seny (Tinlot)	Calcite	brown	brown	
126	Liège	Sippenaeken (Plombières)	Sphalerite	orange	orange	
127	Liège	Spa	Pyrophyllite	yellow	yellow	
128	Liège	Sprimont	Calcite	red , orange , white	red , orange , white	ph
129	Liège	St Gilles (Liège)	Kaolinite	white	white	ph
130	Liège	St Madelain (Liège)	Calcite	yellow white	yellow	ph
131	Liège	Stembert (Verviers)	Sphalerite	orange	orange	
132	Liège	Stembert (Verviers)	Smithsonite	orange	orange	
133	Liège	Theux	Hemimorphite	yellow	yellow	
134	Liège	Theux	Calcite	red	red	
135	Liège	Theux	Allophane	white	white	
136	Liège	Theux	Cerussite	yellow	yellow	
137	Liège	Tilff	Calcite	white	white	ph
138	Liège	Val Benoit (Liège)	Kaolinite	orange , white	orange , white	
140	Liège	Visé	Calcite	red, orange, blue-white, pink, yellow	red, orange, yellow	
142	Liège	Visé	Allophane	white , cream , blue-green green	white , cream , blue-green green	
143	Liège	Visé	Halloysite	white , white-blue	white , green	
144	Liège	Völkenrick (Plombières)	Barite	yellow	yellow	ph
145	Liège	Welkenraedt	Sphalerite	Orange, yellow	yellow, orange	
146	Liège	Welkenraedt	Anglesite	white-blue orange-yellow yellow yellow-brown	yellow-brown yellow-white white, blue,red	
147	Liège	Welkenraedt	Calcite	yellow , white	red	
148	Liège	Welkenraedt	Hemimorphite	yellow	yellow	
149	Liège	Welkenraedt	Cerussite	yellow	yellow	
150	Liège	Welkenraedt	Anglesite	yellow, yellow-orange	yellow , yellow-green	
151	Liège	Welkenraedt	Halloysite	yellow	blue	
152	Liège	Wérister,Romsée (Fléron)	Calcite	red	red	
1	Limburg	Beringen	Gypsum	cream	cream	
2	Limburg	Eigenbilzen	Calcite	yellow	yellow	ph

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
3	Limburg	Eisden (Maasmechelen)	Gypsum	weak cream	weak cream	
4	Limburg	Henis (Tongeren)	Gypsum	cream	yellow	
5	Limburg	Houthalen (Houthalen-Helchteren)	Calcite	yellow	yellow	
6	Limburg	Reckhem	Gypsum	cream	cream	
7	Limburg	Tongeren	Gypsum	cream	cream	
1	Luxembourg	Assenois (Vaux-sur-Sûre)	Kaolinite	yellow	yellow	
2	Luxembourg	Grand Halleux (Vielsalm)	Calcite		red	
3	Luxembourg	Grapfontaine (Neufchâteau)	Calcite	orange	orange	
4	Luxembourg	Hébronval (Vielsalm)	Andalusite	cream		
5	Luxembourg	Hotton	Calcite	yellow , white	red	ph
6	Luxembourg	Libramont	Kaolinite	white	yellow	
7	Luxembourg	Longvilly (Bastogne)	Cerussite	yellow		
8	Luxembourg	Martelange	Barite	yellow	yellow	ph
9	Luxembourg	Ottré,Bihain (Vielsalm)	Wavellite	yellow-white	yellow-green	
10	Luxembourg	Ottré,Bihain (Vielsalm)	Pyrophyllite	yellow		
11	Luxembourg	Vielsalm	Apatite	Yellow		
12	Luxembourg	Vielsalm	Apatite		orange	
13	Luxembourg	Vielsalm	Spessartine	white, orange	cream	
14	Luxembourg	Resteigne	Calcite	red	red	
15	Luxembourg	Resteigne	Dolomite	pink , red	pink , red	
1	Namur	Annevoie-Rouillon (Anhée)	Calcite	brown	brown	
2	Namur	Ave et Auffe, Rochefort	Barite	yellow, yellow-white , orange	cream, yellow-white , orange	ph
3	Namur	Ave et Auffe, Rochefort	Calcite	orange	orange	
4	Namur	Beez,Namur	Calcite	white , red , red-orange , white	yellow-white , red	ph
5	Namur	Beez,Namur	Apatite	green	green	
6	Namur	Berzée (Walcourt)	Calcite	white	white	ph
7	Namur	Biesmes, Mettet	Calcite	red , yellow , cream		ph
8	Namur	Cerfontaine	Calcite	white	white	ph
9	Namur	Couvin	Calcite	white	white	
10	Namur	Dave (Namur)	Dolomite	white , brown	brown	ph

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
11	Namur	Denée , Anhée	Calcite	orange-pink , white , yellow-brown , red, yellow , pink	red-pink,yellow , white, pink,	ph
12	Namur	Denée, Anhée	Fluorite		blue	ph
13	Namur	Dinant	Calcite	dark green		
14	Namur	Dinant	Aragonite	yellow	yellow	
15	Namur	Doische,	Fluorite	blue	white	
16	Namur	Dourbes,Viroinval	Barite	orange		
17	Namur	Falaën (Sosye)	Calcite	cream		ph
18	Namur	Frasnes lez Couvin, Couvin	Calcite	red brown , white ,yellow	pink-red	
19	Namur	Furfooz, Dinant	Calcite	white	brown-white	ph
20	Namur	Genimont, Rochefort	Fluorite	blue		
21	Namur	Gimnée, Doische	Barite	orange	orange	ph
22	Namur	Gimnée, Doische	Fluorite	blue		
23	Namur	Godinne, Yvoir	Calcite	yellow		
24	Namur	Golzinne , Gembloux	Calcite	white		
25	Namur	Goyet-Moset (Gesves)	Calcite	yellow	white	ph
26	Namur	Haltinne, Gesves	Calcite	yellow-white	brown white	ph
27	Namur	Han sur Lesse , Rochefort	Calcite	yellow		
28	Namur	Hastière	Calcite	yellow-green	yellow-green	
29	Namur	Haut le Wastia, Anhée	Wavellite	yellow , orange	yellow-white , yellow	
30	Namur	Ingremé (Philippeville)	Barite	yellow	yellow	
31	Namur	Ingremé (Philippeville)	Calcite	pink	pink	ph
32	Namur	Laneffe, Walcourt	Calcite	yellow-white	yellow-white	
33	Namur	Lavaux-Ste-Anne, Rochefort	Calcite	white pink		ph
34	Namur	Lesve (Profondeville)	Calcite	yellow	yellow	
35	Namur	Lives-sur-Meuse ,Namur	Fluorite	blue		
36	Namur	Marche-les-Dame, Namur	Cerussite	yellow		
37	Namur	Marche-les-Dames, Namur	Calcite	yellow-brown	brown	ph
38	Namur	Matagne la Grande, Doische	Fluorite	blue		
39	Namur	Matagne la Grande, Doische	Calcite	red	red	
40	Namur	Merlemont, Philippeville	Calcite	red		

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
41	Namur	Namèche, Andenne	Calcite	red		
42	Namur	Naninne, Namur	Gypsum	cream , white	cream , white	ph
43	Namur	Nismes , Viroinval	Calcite	red		
44	Namur	Olloy sur Viroin, Viroinval	Calcite	weak orange	weak pink	
45	Namur	Onoz, Jemeppe sur Sambre	Calcite	yellow , white , red	yellow	ph
46	Namur	Philippeville	Calcite	yellow orange		
47	Namur	Philippeville	Hemimorphite	white , brown , yellow	pink	
48	Namur	Philippeville	Smithsonite	yellow-white	yellow-white	ph
49	Namur	Poilvache (Yvoir)	Calcite	red		
50	Namur	Rhisnes, La Bruyère	Calcite	cream , red , yellow , orange	red , orange	
51	Namur	Rhisnes, La Bruyère	Fluorite	red		
52	Namur	Rochefort	Calcite	yellow-white , orange-red	yellow-brown , red	ph
53	Namur	Rochefort	Gypsum	cream	cream	ph
54	Namur	Rochefort	Cerussite	yellow		
55	Namur	Roly , Philippeville	Aragonite	white , yellow	red , yellow white	
56	Namur	Salet , Bioul (Anhée)	Calcite	orange	cream	
57	Namur	Sautour, Philippeville	Sphalerite	orange	red	
58	Namur	Sautour, Philippeville	Calcite	orange , red , pink	red , pink	
59	Namur	Sclaigneau, Vezin (Andenne)	Calcite	red		
60	Namur	Seilles, Andenne	Calcite	cream , red , yellow	white	
61	Namur	Seilles, Andenne	Sphalerite	orange		
62	Namur	Seilles, Andenne	Fluorite	blue , red		
63	Namur	Sosoye (Anhée)	Calcite	yellow, white, purple + phosphorescence		
64	Namur	Vonèche (Beauraing)	Cerussite	yellow-orange		
65	Namur	Vaucelles, Doische	Barite	yellow	yellow	
66	Namur	Vaucelles, Doische	Calcite	yellow		
67	Namur	Vedrin, Namur	Cerussite	yellow		
68	Namur	Vedrin, Namur	Pyromorphite	white, green, brown, yellow-white	yellow-white	
69	Namur	Vedrin, Namur	calcite	yellow , pink , red , orange		
70	Namur	Vedrin, Namur	Sphalerite	orange		
71	Namur	Velaire, Sambreville	Hemimorphite	yellow		

	Province	Municipality	Mineral	Long Waves	Short Waves	Ph
72	Namur	Vierves-sur-Viroin , Viroinval	Barite	green , red , white , orange , yellow	green , red , white , yellow , orange	
73	Namur	Vierves-sur-Viroin , Viroinval	Calcite	red , cream , orange	red	ph
74	Namur	Villers en Fagne , Philippeville	Barite	yellow , orange	yellow , orange	
75	Namur	Villers en Fagne , Philippeville	Calcite	pink-white , red , yellow	pink , red , pink-white	
76	Namur	Villers en Fagne , Philippeville	Cerussite	yellow	yellow	
77	Namur	Villers le Gambon , Philippeville	Calcite	yellow , orange	orange , red	ph
78	Namur	Vodelée, Doische	Calcite	yellow white		
79	Namur	Warnant , Anhée	Calcite	white , yellow	red , white	
80	Namur	Waulsort (Hastière)	Calcite	cream		
81	Namur	Yvoir	Calcite	yellow	yellow-white	ph
1	Vlaams Brabant	Betekom (Begijnendijk)	Gypsum	cream	cream	ph
2	Vlaams Brabant	Holsbeek	Gypsum	cream	cream	ph
3	Vlaams Brabant	Lembecq	Epidote	yellow	yellow	
4	Vlaams Brabant	Lembecq	Albite	orange	orange	
5	Vlaams Brabant	Pellenberg	Gypsum	cream	cream	ph