

## **Algae**

Art. ID	IAEA-413
Unit	10 g
Deliverydetails	No Dangerous Good /not restricted

### **Description**

The IAEA-413 Algae reference material was prepared by the IAEA Terrestrial Environment Laboratory in Austria in co-operation with the Institute of Microbiology, Academy of Sciences of the Czech Republic in Trebon. The IAEA-413 algae material (type: Chlorella Boehm) was produced under standard outdoor culture conditions. The bulk algae material and the sealed bottles were treated with gamma ray irradiation with a total dose of 25 kGy using a Co-60 source to improve long-term stability of the material by reducing microbial action.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Reference value	Arsenic (As)	[7440-38-2]	127 ±6,6	mg/kg		
Reference value	Calcium (Ca)	[7440-70-2]	3143 ±112	mg/kg		
Reference value	Cadmium (Cd)	[7440-43-9]	204 ±8,5	mg/kg		
Reference value	Cobalt (Co)	[7440-48-4]	4,24 ±0,25	mg/kg		
Reference value	Chromium (Cr)	[7440-47-3]	377 ±14	mg/kg		
Reference value	Iron (Fe)	[7439-89-6]	1370 ±39	mg/kg		
Reference value	Potassium (K)	[7440-09-7]	10740 ±270	mg/kg		
Reference value	Magnesium (Mg)	[7439-95-4]	4058 ±117	mg/kg		
Reference value	Manganese (Mn)	[7439-96-5]	158 ±3,4	mg/kg		
Reference value	Sodium (Na)	[7440-23-5]	375 ±20	mg/kg		
Reference value	Nickel (Ni)	[7440-02-0]	113 ±4,9	mg/kg		
Reference value	Lead (Pb)	[7439-92-1]	242 ±7	mg/kg		
Reference value	Zinc (Zn)	[7440-66-6]	169 ±3,3	mg/kg		