

IPE Reference Material - Spruce / Picea sp.

Art. ID WEPAL-IPE-225
Unit 20 g
Deliverydetails No Dangerous Good /not restricted

Description

International Plant-Analytical Exchange (IPE) / The Wageningen Evaluating Programme for Analytical Laboratories (WEPAL) / Origin: Netherlands / Latest period: 2023.2

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Consensus Value	Arsenic (As)	[7440-38-2]	61,6 ± 10,48	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Boron (B)	[7440-42-8]	20,2 ± 2,07	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Barium (Ba)	[7440-39-3]	17,1 ± 0,71	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Calcium (Ca)	[7440-70-2]	7,27 ± 0,506	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cadmium (Cd)	[7440-43-9]	72,5 ± 4,6	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chlorine (Cl)	[7782-50-5]	1,01 ± 0,134	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cobalt (Co)	[7440-48-4]	101 ± 11,5	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chromium (Cr)	[7440-47-3]	681 ± 139,5	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Copper (Cu)	[7440-50-8]	3,89 ± 0,609	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Iron (Fe)	[7439-89-6]	135 ± 15,4	mg/kg	Inorganic Chemical C	

					composition
Consensus Value	Mercury (Hg)	[7439-97-6]	33,5 ± 4,08	µg/kg	Inorganic Chemical C composition
Consensus Value	Potassium (K)	[7440-09-7]	8,92 ± 0,657	g/kg	Inorganic Chemical C composition
Consensus Value	Magnesium (Mg)	[7439-95-4]	1,03 ± 0,067	g/kg	Inorganic Chemical C composition
Consensus Value	Manganese (Mn)	[7439-96-5]	481 ± 36,9	mg/kg	Inorganic Chemical C composition
Consensus Value	Molybdenum (Mo)	[7439-98-7]	138 ± 20,7	µg/kg	Inorganic Chemical C composition
Consensus Value	Kjeldahl as N		15,4 ± 0,82	g/kg	Inorganic Chemical C composition
Consensus Value	Nickel (Ni)	[7440-02-0]	875 ± 137,8	µg/kg	Inorganic Chemical C composition
Consensus Value	Phosphorus (P)	[7723-14-0]	2,07 ± 0,115	g/kg	Inorganic Chemical C composition
Consensus Value	Lead (Pb)	[7439-92-1]	458 ± 55,5	µg/kg	Inorganic Chemical C composition
Consensus Value	Sulfur (S)	[7704-34-9]	1,25 ± 0,097	g/kg	Inorganic Chemical C composition
Consensus Value	Strontium (Sr)	[7440-24-6]	29,9 ± 1,81	mg/kg	Inorganic Chemical C composition
Consensus Value	Vanadium (V)	[7440-62-2]	276 ± 42,5	µg/kg	Inorganic Chemical C composition
Consensus Value	Zinc (Zn)	[7440-66-6]	49,4 ± 4,09	mg/kg	Inorganic

					Chemical C omposition
Consensus Value	Aluminium (Al)	[7429-90-5]	187 ± 43,3	mg/kg	Real total s
Consensus Value	C - elementary		520 ± 13,8	g/kg	Real total s
Consensus Value	N - elementary		15,9 ± 0,55	g/kg	Real total s
Consensus Value	Aluminium (Al)	[7429-90-5]	148 ± 22	mg/kg	Acid extra ctable (So -called to tals)
Consensus Value	Total ash		41,1 ± 2,35	g/kg	Nutritiona l values