

## **IPE Reference Material - Bean / Phaseolus vulgaris L.**

Art. ID                    WEPAL-IPE-221  
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: 2023.4

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Consensus Value	Boron (B)	[7440-42-8]	10,8 ± 1,32	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Copper (Cu)	[7440-50-8]	10,3 ± 0,88	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Iron (Fe)	[7439-89-6]	77,6 ± 6,84	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Manganese (Mn)	[7439-96-5]	9,6 ± 0,802	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Zinc (Zn)	[7440-66-6]	49,7 ± 3,51	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Arsenic (As)	[7440-38-2]	58,5 ± 11,44	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Cobalt (Co)	[7440-48-4]	228 ± 23,8	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Molybdenum (Mo)	[7439-98-7]	14500 ± 1170	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Nickel (Ni)	[7440-02-0]	2540 ± 249	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Selenium (Se)	[7782-49-2]	152 ± 33,2	µg/kg	Inorganic Chemical C	

Consensus Value	Strontium (Sr)	[7440-24-6]	1,9 ± 0,133	mg/kg	Inorganic Chemical C composition
Consensus Value	Calcium (Ca)	[7440-70-2]	0,798 ± 0,1003	g/kg	Inorganic Chemical C composition
Consensus Value	Chlorine (Cl)	[7782-50-5]	0,876 ± 0,2116	g/kg	Inorganic Chemical C composition
Consensus Value	Potassium (K)	[7440-09-7]	12,5 ± 0,82	g/kg	Inorganic Chemical C composition
Consensus Value	Magnesium (Mg)	[7439-95-4]	1,29 ± 0,086	g/kg	Inorganic Chemical C composition
Consensus Value	Kjeldahl as N		44,2 ± 2,79	g/kg	Inorganic Chemical C composition
Consensus Value	Sodium (Na)	[7440-23-5]	168 ± 18,2	mg/kg	Inorganic Chemical C composition
Consensus Value	Phosphorus (P)	[7723-14-0]	5,71 ± 0,417	g/kg	Inorganic Chemical C composition
Consensus Value	Sulfur (S)	[7704-34-9]	1,77 ± 0,15	g/kg	Inorganic Chemical C composition
Consensus Value	C - elementary		446 ± 15	g/kg	Real total s
Consensus Value	N - elementary		46,8 ± 1,97	g/kg	Real total s
Consensus Value	delta 13C		-27,1 ± 0,39	‰ V-PDB	Other dete rminations
Consensus Value	delta 15N		2,33 ± 0,223	‰ Air	Other dete rminations
Consensus Value	Crude fibre		83,4 ± 7,1	g/kg	Nutritiona l values

Consensus Value	Total ash	36,9 ± 5,8	g/kg	Nutritiona I values
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