

## **IPE Reference Material - Maize / Zea mays**

Art. ID	WEPAL-IPE-133
Unit	20 g
Deliverydetails	No Dangerous Good /not restricted

### **Description**

International Plant-Analytical Exchange (IPE) / The Wageningen Evaluating Programme for Analytical Laboratories (WEPAL) / Origin: Bennekom / Netherlands / Last period: 2016.1

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Consensus Value	Arsenic (As)	[7440-38-2]	143 ± 17,1	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Barium (Ba)	[7440-39-3]	3,51 ± 0,475	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Calcium (Ca)	[7440-70-2]	1,87 ± 0,151	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cadmium (Cd)	[7440-43-9]	260 ± 24,6	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chlorine (Cl)	[7782-50-5]	1,21 ± 0,139	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cobalt (Co)	[7440-48-4]	81,4 ± 10,93	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chromium (Cr)	[7440-47-3]	454 ± 107	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Copper (Cu)	[7440-50-8]	6,51 ± 0,593	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Iron (Fe)	[7439-89-6]	191 ± 19	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Mercury (Hg)	[7439-97-6]	5,4 ± 0,774	µg/kg	Inorganic Chemical C	

Consensus Value	Potassium (K)	[7440-09-7]	7,89 ± 0,465	g/kg	Inorganic Chemical C composition
Consensus Value	Magnesium (Mg)	[7439-95-4]	1,15 ± 0,085	g/kg	Inorganic Chemical C composition
Consensus Value	Manganese (Mn)	[7439-96-5]	122 ± 8,1	mg/kg	Inorganic Chemical C composition
Consensus Value	Molybdenum (Mo)	[7439-98-7]	170 ± 29,6	µg/kg	Inorganic Chemical C composition
Consensus Value	Kjeldahl as N		11,6 ± 0,58	g/kg	Inorganic Chemical C composition
Consensus Value	NO3 as N		204 ± 23,3	mg/kg	Inorganic Chemical C composition
Consensus Value	Sodium (Na)	[7440-23-5]	103 ± 22,5	mg/kg	Inorganic Chemical C composition
Consensus Value	Nickel (Ni)	[7440-02-0]	522 ± 67,1	µg/kg	Inorganic Chemical C composition
Consensus Value	Phosphorus (P)	[7723-14-0]	1,49 ± 0,105	g/kg	Inorganic Chemical C composition
Consensus Value	Lead (Pb)	[7439-92-1]	921 ± 86,4	µg/kg	Inorganic Chemical C composition
Consensus Value	Rubidium (Rb)	[7440-17-7]	3250 ± 399	µg/kg	Inorganic Chemical C composition
Consensus Value	Sulfur (S)	[7704-34-9]	0,935 ± 0,0863	g/kg	Inorganic Chemical C composition
Consensus Value	Strontium (Sr)	[7440-24-6]	3,31 ± 0,284	mg/kg	Inorganic

					Chemical C omposition
Consensus Value	Vanadium (V)	[7440-62-2]	402 ± 39,1	µg/kg	Inorganic Chemical C omposition
Consensus Value	Zinc (Zn)	[7440-66-6]	47,6 ± 3,58	mg/kg	Inorganic Chemical C omposition