

## **IPE Reference Material - Cacao leaf / Theobroma cacao**

Art. ID                    WEPAL-IPE-237  
Unit                        20 g  
Deliverydetails        No Dangerous Good /not restricted

### Description

International Plant-Analytical Exchange (IPE) / The Wageningen Evaluating Programme for Analytical Laboratories (WEPAL) / Origin: Ecuador / Latest period: 2021.3

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Consensus Value	Arsenic (As)	[7440-38-2]	101 ± 12,4	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Boron (B)	[7440-42-8]	61 ± 4,08	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Barium (Ba)	[7440-39-3]	56,3 ± 4,16	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Calcium (Ca)	[7440-70-2]	17,7 ± 1,11	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cadmium (Cd)	[7440-43-9]	2520 ± 308	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chlorine (Cl)	[7782-50-5]	0,843 ± 0,2034	g/kg	Inorganic Chemical C omposition	
Consensus Value	Cobalt (Co)	[7440-48-4]	3780 ± 301	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Chromium (Cr)	[7440-47-3]	230 ± 54,5	µg/kg	Inorganic Chemical C omposition	
Consensus Value	Copper (Cu)	[7440-50-8]	23,5 ± 1,92	mg/kg	Inorganic Chemical C omposition	
Consensus Value	Iron (Fe)	[7439-89-6]	116 ± 11,9	mg/kg	Inorganic Chemical C	

Consensus Value	Mercury (Hg)	[7439-97-6]	10,7 ± 1,85	µg/kg	Inorganic Chemical C composition
Consensus Value	Potassium (K)	[7440-09-7]	17,3 ± 1,15	g/kg	Inorganic Chemical C composition
Consensus Value	Magnesium (Mg)	[7439-95-4]	6,3 ± 0,336	g/kg	Inorganic Chemical C composition
Consensus Value	Manganese (Mn)	[7439-96-5]	308 ± 19,6	mg/kg	Inorganic Chemical C composition
Consensus Value	Molybdenum (Mo)	[7439-98-7]	298 ± 38,6	µg/kg	Inorganic Chemical C composition
Consensus Value	Kjeldahl as N		20,6 ± 0,79	g/kg	Inorganic Chemical C composition
Consensus Value	Sodium (Na)	[7440-23-5]	191 ± 28,9	mg/kg	Inorganic Chemical C composition
Consensus Value	Nickel (Ni)	[7440-02-0]	7360 ± 817	µg/kg	Inorganic Chemical C composition
Consensus Value	Phosphorus (P)	[7723-14-0]	2,3 ± 0,144	g/kg	Inorganic Chemical C composition
Consensus Value	Lead (Pb)	[7439-92-1]	163 ± 36,1	µg/kg	Inorganic Chemical C composition
Consensus Value	Sulfur (S)	[7704-34-9]	2,61 ± 0,224	g/kg	Inorganic Chemical C composition
Consensus Value	Selenium (Se)	[7782-49-2]	94,4 ± 13,23	µg/kg	Inorganic Chemical C composition
Consensus Value	Zinc (Zn)	[7440-66-6]	79,2 ± 5,94	mg/kg	Inorganic

					Chemical C omposition
Consensus Value	Aluminium (Al)	[7429-90-5]	126 ± 29,7	mg/kg	Real total s
Consensus Value	C - elementary		470 ± 9,9	g/kg	Real total s
Consensus Value	N - elementary		21,5 ± 0,63	g/kg	Real total s
Consensus Value	Aluminium (Al)	[7429-90-5]	83,8 ± 11,41	mg/kg	Acid extra ctable (So -called to tals)
Consensus Value	Total ash		112 ± 6,3	g/kg	Nutritiona l values