

CERTIFICATE OF ANALYSIS

Product Name	Procyanidin B2	Batch Size	200 kg
CAS No.	29106-49-8	Batch No.	AP20220514
Botanical Source	<i>Malus pumila</i> Mill.	MFG. Date	2022-05-14
Plant Part	Fruit	Retest Date	2024-05-13
Country of Origin	China	Issue Date	2022-05-24
ITEM	SPECIFICATION	RESULT	TEST METHOD
Physical Description			
<i>Appearance</i>	Light Brown or Brownish Yellow Powder	Conforms	Visual
<i>Odor</i>	Characteristic	Conforms	Organoleptic
<i>Taste</i>	Characteristic	Conforms	Olfactory
<i>Particle size</i>	100% pass through 80 mesh sieve	Conforms	CP2015
Chemical Tests			
<i>Procyanidin B2</i>	≥10%	10.21%	HPLC
<i>Loss on drying</i>	≤5.0%	3.51%	CP2015 (105 °C, 3 h)
<i>Ash</i>	≤3.0%	2.11%	CP2015 (600 °C, 4 h)
<i>Heavy Metals</i>	≤20 ppm	Conforms	CP2015
<i>Lead (Pb)</i>	≤1 ppm	Conforms	CP2015(AAS)
<i>Arsenic (As)</i>	≤0.5ppm	Conforms	CP2015(AAS)
<i>Cadmium (Cd)</i>	≤0.1 ppm	Conforms	CP2015(AAS)
<i>Mercury (Hg)</i>	≤0.5 ppm	Conforms	CP2015(AAS)
Microbiology Control			
<i>Aerobic bacterial count</i>	≤1,000 CFU/g	Conforms	CP2015
<i>Total Yeast & Mold</i>	≤100 CFU/g	Conforms	CP2015
<i>Escherichia coli</i>	Negative	Conforms	CP2015
<i>Salmonella</i>	Negative	Conforms	CP2015
Conclusion	Conforms to specification		
Storage:	Store in tightly sealed and preferably full containers in cool, dry and ventilated area.		
Shelf Life	24 months when properly stored.		
Status:	Non-irradiation; Non-GMO; No Carrier; Halal & Kosher certified.		

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QC: Fei Zhao

Date: May. 24, 2022