

Certificate of Analysis

Gracefruit Ltd

Aloe Vera Powder 200.1

Batch	Manufactured	Expiration
C20160511	11/05/16	10/05/19

General Information			
Part Used	Leaf		
Solvents Used	Water & Ethanol		
Botanical Source	Aloe vera		
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	White	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPTLC	Identical
Extract Ratio	200:1	Conform	
Sieve analysis	100 % through 80 mesh	USP36<786>	Conform
Loss on Drying	≤5.0 %	Eur.Ph.7.0 [2.8.17]	2.95 %
Total Ash	≤10.0 %	Eur.Ph.7.0 [2.4.16]	4.26 %
Bulk density	40~60 g/100mL	Eur.Ph.7.0 [2.9.34]	52 g/100mL
Tap density	60~90g/100mL	Eur.Ph.7.0 [2.9.34]	68 g/100mL
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	0.5622 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	0.3425 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	0.0215 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	0.0136 mg/kg
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph 7.0<2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP36 <561>	Conform
Benzo(a)Pyrene	≤10µg/Kg	(EC)No.1881/2006	Conform
PAH4	≤50µg/Kg	(EC)No.1881/2006	Conform
Microbiological			
Total Plate Count	≤10000 cfu/g	USP36 <61>	50 cfu/g
Yeast &Mold	≤1000 cfu/g	USP36 <61>	20 cfu/g
E.Coli.	Negative	USP36 <62>	Conform
Salmonella	Negative	USP36 <62>	Conform
General Status			
Non-Irradiation	≤700	EN13751:2002	185