



Plamed Green Science Limited

CERTIFICATE OF ANALYSIS

Product name Alpha Arbutin
Batch Number PMA140412
Batch Quantity 200KG
Manufacture Date 2014-04-12
Expiration Date 2016-04-11

ANALYSIS	SPECIFICATION	RESULTS
Assay	≥99.5%	99.9% HPLC
Appearance	White crystals or crystalline powder, IR spectrum conforms	Complies
Loss on drying	≤0.5	0.07
Residue on Ignition	≤0.5	0.05
Specific Optical Rotation	[α] _{D20} = + 175.0° - +185.0°	+179.2°
Transparency in water	Transparent colorless no suspended	Complies
PH (1% water solution)	5.0-7.0	6.16
Melting Point	202.0°C~210.0°C	206.8°C
Hydroquinone	Negative	Negative
Lead(mg/kg)	≤10	<10
Arsenic(mg/kg)	≤2	<2
Mercury(mg/kg)	≤1	<1
Methanol(mg/kg)	≤2000	<1000
Plumbum	<2ppm	Complies
Microbiological Tests		
Aerobic bacterial Count	≤1000cfu/g	Complies
Total Yeast & Mold	≤100cfu/g	Complies
Fecal Coliforms	Negative	Negative
Pseudomonas Aeruginosa	Negative	Negative
Staphylococcus	Negative	Negative

Packing and Storage: Packed in paper drums and two plastic bags inside. Store in well closed container away from moisture