

Certificate of Analysis

Product Name:	Alpha-arbutin		
Batch No	201704019	Batch Size	1500KG
Mfg.Date	2017.04.19	Test Date	2017.04.22
Tests	Specifications	Results	
Appearance	White needle crystalline	Conforms	
Melting point	202-210.0°C	207.0°C	
Specific rotation	≥ 154°	156.2	
Residue on ignition	≤ 0.5%	Conforms	
Loss on drying	≤ 0.5%	0.08%	
Specific rotation	+175.5 ~ +185.0°	+179.2°	
pH	5.0-7.0	6.0	
Hydroquinone	Negative	Conforms	
Solution	Transparent, colorless, none suspended	Conforms	
Lead	≤ 10mg/kg	Conforms	
Arsenic	≤ 2mg/kg	Conforms	
Mercury	≤ 1mg/kg	Conforms	
Methanol	≤ 2000mg/kg	Conforms	
Aerobic Bacterial Count	≤ 1000cfu/g	Conforms	
Molds and Yeast Count	≤ 100cfu/g	Conforms	
Fecal Coliforms	Negative/g	Conforms	
Pseudomonas Aerginosa	Negative/g	Conforms	
Staphylococcus Aureus	Negative/g		
Assay	≥ 99.5%	99.7%	
Conclusion: complies with in-house standard.			

Prepared by: Sarah

Reviewed by: Helen

Approved by: Tony