GREEN VALLEY LABORATORY

CERTIFICATE OF ANALYSIS

Product:	Alpha Arbutin	**CAS #:**	84380-01-8
INCI:	Alpha Arbutin		
Lot #:	7601	**Re-test:**	FEB 2029

Property	Specification	Analysis	Method
APPEARANCE	Crystalline Powder	In accordance	MOA 003
COLOR	White	In accordance	MOA 003
CLARITY OF THE SOLUTION	The solution must be clear and transparent, with no visible suspended particles.	In accordance	MOA 058
PH (1% aqueous solution)	5.0-7.0	5.4	MOA 007
MELTING POINT	202.0-212.0°C	204.1-205.4°C	MOA 016
LOSS ON DRYING	Max. 0.5%	0.03%	MOA 009
RESIDUE ON IGNITION	Max. 0.5%	0.03%	MOA 036
SPECIFIC ROTATION	+174.0° - +186.0°	+180.14°	
ASSAY (HPLC)	Min. 99.0%	99.99%	MOA 032
HEAVY METALS	Max. 20 ppm	In accordance	MOA 017
HYDROQUINONE	Negative	In accordance	

Disclaimer: All information, appearing herein on our products is based upon data that are believed to be reliable. However, it is the user's responsibility to determine the suitability of the product before use. Since the actual use of the product is beyond our control, no guarantee, express or implied, is made by Green Valley Laboratory of the product nor does Green Valley Laboratory assume any liability arising out of use, by others, of the product referred to herein.

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