



Certificate of Analysis

Arbutin

Catalog Number: AR1001
Lot Number: 0717404
CAS Number: 497-76-7
Synonym(s): 4-Hydroxyphenyl- β -D-glucopyranoside, Hydroquinone β -D-glucopyranoside
Molecular Formula: C₁₂H₁₆O₇
Molecular Weight: 272.25
Storage: 15°C – 30°C
Date of Manufacture: July 18, 2012
Retest Date: January 2, 2018

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Purity	$\geq 98.0\%$	99.9%
Specific Optical Rotation	$-65 \pm 2^\circ$	-65.9°
Melting Point	198°C – 201°C	199°C – 201°C
Moisture (LOD)	$\leq 1.0\%$	$< 0.5\%$
Heavy Metals	$\leq 20\text{ppm}$	$< 20\text{ppm}$

Approved by:

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