

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	21932
<b>Lot Number</b>	002095-20120920
<b>Product</b>	<b><math>\beta</math>-Arbutin</b> 4-Hydroxyphenyl- $\beta$ -D-glucopyranoside
<b>CAS Number</b>	497-76-7
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>16</sub> O <sub>7</sub>
<b>Molecular Weight</b>	272.25

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Transparent, colorless
<b>Melting Point</b>	199-201 °C
<b>Heavy Metals</b>	< 10 ppm
<b>Arsenic (As<sub>2</sub>O<sub>2</sub>)</b>	< 2 ppm
<b>pH</b>	6.30 (1% in Water)
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -66.4°
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	< 0.5%
<b>Residue On Ignition</b>	< 0.5%
<b>Purity</b>	99.80%
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Hydroquinone: < 10 ppm Bacterial microorganism: 20 cfu/g Mold: 20 cfu/g
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**