

Chem-Impex International, Inc.

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825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01599
Lot Number	000412-1044011
Product	Esculin hydrate 6,7-Dihydroxycoumarin-6-glucoside
CAS Number	531-75-9
Molecular Formula	C ₁₅ H ₁₆ O ₉ • xH ₂ O
Molecular Weight	367.31
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Appearance	White to whitish powder
Heavy Metals	< 20 ppm (as Pb)
Water Content (Karl Fisher)	7.2%
pH	4.1 (1% in dist. water)
Mould and Yeast	< 10 per g
Optical Rotation	[α] _D ²⁰ = -85.7° (Calculated on dry basis, C=1.5 in Dioxan:Water, 1:1) (v/v)
UV Ratios	(UV spectrum in Ethnaol 96%): 345
Related Substances	Conforms
Sulfated Ash	0.02%
Purity by HPLC	98.8%
Purity by UV	99.7% [E1% = 373 @ 336 nm in Ethanol 96%]
Purity by TLC	Conforms
Storage	Store at RT
Additional Information	Total aerobic count: < 1000 per/g

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Lot Number: 000412-1044011

Remarks

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager