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Certificate of Analysis

Catalogue Number	32461
Lot Number	002260-20180316
Product	Cytisine
	(1 <i>R</i> ,5 <i>S</i>)-1,2,3,4,5,6-Hexahydro-1,5-methano-8 <i>H</i> -pyrido[1,2 <i>a</i>][1,5]diazocin-8-one
CAS Number	485-35-8
Molecular Formula	C ₁₁ H ₁₄ N ₂ O

Appearance	Light yellow or white powder
Clarity & Color	Clarity of solution:- Not more intensely opalescent than reference suspension II Color of solution:- Not more intensely colored than reference solution Y1
Solubility	Free soluble in water, methanol, ethanol Soluble in acetonitrile and chloroform
Odor	Odorless
Melting Point	154.8 - 156.7 °C
Heavy Metals	< 10 ppm
Anion	Chlorides : < 0.020%
Cation	Lead (Pb): < 2 ppm Arsenic (As): < 2 ppm
Yeast and Mold	< 100 cfu/g
Optical Rotation	[α] ²⁰ _D = - 122.5 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.31%
Residual Solvents	0.01%
E. Coli	Negative
Microbial Count	< 1000 cfu/g (Total plate count)
Salmonella	Negative

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Catalog Number: 32461

Lot Number: 002260-20180316

Related Substances

N-Methylcytisine : Negative
N-Formylcytisine : Negative
Total impurities : 0.01%

Sulfated Ash

0.05%

Purity by HPLC

98.80%

Storage

Store at ≤ -10 °C

Additional Information

Pesticide residue : Negative
UV: Conforms

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



Bala Kumar
Quality Control Manager