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Certificate of Analysis

Product	77387 - Riboflavin for cell culture, 98%, Endotoxin (BET) 0.05EU/mg - [83-88-5]
Batch No	1709924
Analysis Date	07-Dec-2023
Date of Manufacture	December 2023
Expiry Date/Re-Test Date	December 2028
Molecular Formula	C17H20N4O6
Molecular Weight	376.37

Test Parameters	Standards	Actual Results
Appearance (Colour)	Orange yellow	Orange yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 2% solution in 0.5N NaOH	Clear	Clear
Solubility (Colour) 2% solution in 0.5N NaOH	Orange	Orange
Assay (UV)	min. 98%	98.2%
Loss on drying	max. 1.5%	0.7%
Sulphated Ash	max. 0.1%	0.01%
Spectral ratio		
A444nm/A267nm	0.36 - 0.39	0.38
A375nm/A267nm	0.31 - 0.33	0.32
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes

FRM/82/11/4/77387 Rev No. 2 Date 05/07/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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