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## Certificate of Analysis

<b>Product</b>	<b>81431 - m-Nitrobenzoic Acid extrapure AR, 99% - [121-92-6]</b>
<b>Batch No</b>	<b>6106528</b>
<b>Analysis Date</b>	01-Dec-2022
<b>Date of Manufacture</b>	December 2022
<b>Expiry Date/Re-Test Date</b>	December 2027
<b>Molecular Formula</b>	C7H5NO4
<b>Molecular Weight</b>	167.12

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to yellow	Pale yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in methanol	Clear	Clear
Solubility (Colour) 10% solution in methanol	Colourless to yellow	Pale yellow
Assay	min. 99%	99.7%
Melting Point	140 - 142°C	141.2°C
Loss on drying	max. 0.5%	0.4%
Sulphated Ash	max. 0.1%	0.07%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes

FRM/82/11/4/81431 Rev No. 2 Date 30/03/2022

Prepared by Yogesh

In compliance with the standard specifications of SRL

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

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