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# Certificate of Analysis

<b>Product</b>	<b>27874 - Potassium Iodide ACS, 99.8% - [7681-11-0]</b>
<b>Batch No</b>	<b>4388122</b>
<b>Analysis Date</b>	11-May-2024
<b>Date of Manufacture</b>	May 2024
<b>Expiry Date/Re-Test Date</b>	May 2029
<b>Molecular Formula</b>	KI
<b>Molecular Weight</b>	166.00

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder/ Solid	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (T)	min. 99.8%	99.8%
pH (5% aq. solution)	6.0 - 9.2	6.78
Loss on drying	max. 0.2% (at 150°C for 6hr)	0.17%
Water Insoluble matter	max. 0.005%	0.002%
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Phosphate (PO <sub>4</sub> )	max. 0.001%	Passes
Iron (Fe)	max. 0.0003%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Chloride and Bromide (as Cl)	max. 0.01%	Passes
Iodate (IO <sub>3</sub> )	max. 0.0003%	Passes
Sodium (Na)	max. 0.005%	Passes
Barium (Ba)	max. 0.002%	Passes
Calcium (Ca)	max. 0.002%	Passes
Magnesium (Mg)	max. 0.001%	Passes

FRM/82/11/4/27874 Rev No. 3 Date 05/10/2023

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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