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# Certificate of Analysis

<b>Product</b>	<b>23283 - Perchloric Acid ACS, for Diamond Industry, 70% - [7601-90-3]</b>
<b>Batch No</b>	<b>7544114</b>
<b>Analysis Date</b>	24-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	HCIO4
<b>Molecular Weight</b>	100.46

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Assay (T)	min. 70%	70.92%
Density (g/ml) @ 20°C	1.66-1.68	1.67
Residue on ignition	max. 0.003%	0.001%
Chloride (Cl)	max. 0.0003%	Passes
Free Chlorine (Cl)	max. 0.00005%	Passes
Nitrogen Compounds (N)	max. 0.002%	Passes
Phosphate & silicate	max. 0.0005%	Passes
Sulphate (SO4)	max. 0.001%	Passes
Cadmium (Cd)	max. 0.00001%	Passes
Copper (Cu)	max. 0.00001%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.00001%	Passes
Manganese (Mn)	max. 0.00005%	Passes
Zinc (Zn)	max. 0.00005%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.002%	Passes

FRM/82/11/2/23283 Rev No. 2 Date 21/01/2024

Prepared by Akshay

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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