

CERTIFICATE OF ANALYSIS

Product: Hydrochloric Acid 37%, Extra pure grade
Order No.: 202.06.01000.02
Batch No/Lot No: 202.06.02-D20.21
Quantity: 1Lit
Date of Production: 20/04/2021
Retest Date: 20/04/2023

Row	Test Item	Specification	Results	Reference
1	Description	Colorless, fuming liquid having a pungent odor it. Ceases to fume when it is diluted with two volumes of water.	Conforms	USP40
2	Identification	With silver nitrate solutions of chloride yield a white, curdy precipitate that is insoluble in nitric acid but is soluble in slight excess of 6N ammonium hydroxide.	Conforms	USP40 <191>
3	Residue on ignition	N.M.T 0.008 %	0.008	USP40 <281>
4	Bromide or iodide	The chloroform remains free from even a transient yellow ,orange ,or violet color	Conforms	USP40
5	Free bromine or chlorine	The chloroform remains free from any violet coloration for at least one minute.	Conforms	USP40
6	Sulfate	Neither turbidity nor precipitate appears within one hour.	Conforms	USP40
7	Sulfite	Neither turbidity nor precipitate decolorization of the iodine occurs.	Conforms	USP40
8	Heavy metals	N.M.T 5 ppm	< 5	USP38<231>
9	Density (@ 20°C)	About 1.17 g/cm3	1.17	USP40
10	Assay	Between 32.0 – 37.0 % by weight of HCl	32.7	USP40

QC. Manager: Ms. Iravani

Qualified Person: Dr. Mojallali

Status:

Date: 21.04.2021

QC Approved

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