



**CERTIFICATE OF ANALYSIS**

Product Name : Citric Acid Monohydrate  
Batch No. : IMT2007040  
Formula :  $C_6H_8O_7 \cdot H_2O$   
Cas No : 5949-29-1  
Date Of Analysis : July 30,2020

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	-	White or almost white crystalline powder, colourless crystals or granulate.odorless has strongly acid taste. Effloresces in dry air.very soluble in water ,freely soluble in ethanol	pass
2.	Identification	-	Passes test	pass
3.	Appearance solution	-	Passes test	pass
4.	Assay	%	99.5 – 100.5	99.9
5.	Water Content	%	7.5 – 8.8	8.6
6.	Readily carbonisable substance	-	Passes test	pass
7.	Sulphated ash (residu on ignition)	%	max 0.05	0.02
8.	Sulphate (SO <sub>4</sub> )	ppm	max 150	< 150
9.	Oxalate (as C <sub>2</sub> H <sub>2</sub> O <sub>2</sub> )	ppm	max 100	< 100
10.	Arsenic (As)	ppm	max 1	0.1
11.	Lead (Pb)	ppm	max 0.5	0.1
12.	Mercury (Hg)	ppm	max 1	0.1
13.	Aluminium (Al)	ppm	max 0.2	< 0.2
14.	Heavy Metals (as Pb)	ppm	max 10	< 10
15.	Bacterial Endotoxin	IU/mg	max 0.5	0.1

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SUDIRO S.Si.  
Quality Control