

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**




<b>Ref .SOP No</b>	QC/017, Rev – 00	<b>Format No. :</b> QC/017/F/02-00
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<b>Name of product</b>	: CITRIC ACID ANHYDROUS LR		
<b>Chemical Formula:</b> C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	<b>Molecular Weight:</b> 192.1 gm/mol	<b>CAS No :</b> 77-92-9	
<b>HSN Code</b>	29181400	<b>Batch Number</b>	023001A23
<b>Date of sampling</b>	03/01/2023	<b>Date of Manufacture</b>	JAN.-2023
<b>Sample Quantity</b>	100.00 Gms	<b>Retest Date</b>	3 Years after Mfg. date
<b>Date of Analysis</b>	03/01/2023		
<b>Date of Release</b>	05/01/2023		
<b>Mfg. Lic. No.</b>	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Description	<b>Colorless crystals</b>	Colorless crystals or a white powder; slightly hygroscopic in moist air.
2.	<b>Identification A</b> Compare the spectrum with that obtained with citric acid or with the reference spectrum of citric acid. <b>Identification B</b> It gives reaction A of citrates <b>Identification C</b> A 10 percent w/v solution is strongly acidic.	<b>Pass Test</b>  <b>Pass Test</b>  <b>Pass Test</b>	To pass test  To pass test  To pass test
3.	Appearance of Solution	<b>The solution is Clear and colorless</b>	The solution is Clear and colorless
4.	Arsenic (As)	<b>Pass Test</b>	Max. 5 ppm
5.	Heavy Metals	<b>Pass Test</b>	Max. 10 ppm
6.	Iron (Fe)	<b>10 ppm</b>	Max. 50 ppm
7.	Chloride (Cl)	<b>55 ppm</b>	Max. 100 ppm
8.	Sulfate (SO <sub>4</sub> )	<b>Pass Test</b>	Max. 150 ppm
9.	Water	<b>1.32 %</b>	Max. 2.0%
10.	Assay (dried basis)	<b>98.76 %</b>	98.50 % - 101.0 %

<b>Storage Condition</b>	:	Preserve in tight containers.
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**Remarks:** The above product complies with above specification.

	<b>Prepared By/Analyzed by</b>	<b>Approved by</b>
<b>Signature</b>		 
<b>Date</b>	03/01/2023	05/01/2023