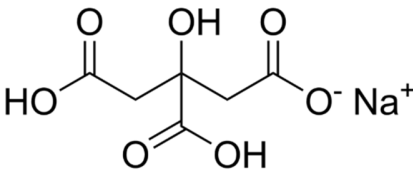




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Sodium Citrate BP/EP/USP/IP		Product Data Sheet																															
CAS No. 68-04-2 C ₆ H ₅ Na ₃ O ₇ ·2H ₂ O		Molecular Weight : 294.1																															
INFORMATION OF THE PRODUCT																																	
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1	Name of the Product	:	Sodium Citrate (Trisodium Citrate) BP/EP/USP/IP																														
2	Structure	:																															
3	Composition	:	It is composition of Sodium salt and citric acid.																														
4	Chemical Name (IUPAC)	:	Trisodium 2-hydroxypropane-1, 2, 3-tricarboxylate dehydrate.																														
5	Properties	:	Systemic alkalinizing substance.																														
6	Specification	:	<table border="0"> <tr> <td>Appearance (As per Ph. Eur./ USP /IP)</td> <td>A white or Almost White crystalline powder. Slightly Deliquescent in moist air.</td> </tr> <tr> <td>Solubility (As per Ph. Eur./USP/IP)</td> <td>Freely soluble in water.</td> </tr> <tr> <td colspan="2">Identification</td> </tr> <tr> <td>A) Test</td> <td>Gives reactions of Citrates.</td> </tr> <tr> <td>B) Test</td> <td>Gives reactions of Sodium.</td> </tr> <tr> <td>Appearance of solution (As per Ph. Eur. / IP)</td> <td>The solution is clear and colourless</td> </tr> <tr> <td>Acidity or Alkalinity (As per Ph. Eur. / IP)</td> <td>Not more than 0.2 ml of 0.1 M HCL / 0.1 M NaOH</td> </tr> <tr> <td>Alkalinity (As per USP /IP)</td> <td>No pink colour is produce</td> </tr> <tr> <td>Readily Carbonisable Substances.</td> <td>Not more intensely coloured than reference solution Y2 or GY2.</td> </tr> <tr> <td>Chlorides (As per Ph.Eur.)</td> <td>Maximum 50 ppm.</td> </tr> <tr> <td>Chlorides (As per IP)</td> <td>Maximum 100 ppm.</td> </tr> <tr> <td>Oxalates (As per Ph.Eur./IP)</td> <td>Maximum 300 ppm.</td> </tr> <tr> <td>Sulfates (As per Ph.Eur./IP)</td> <td>Maximum 150 ppm.</td> </tr> <tr> <td>Heavy Metals (As per Ph.Eur./ IP /USP)</td> <td>Maximum 10 ppm</td> </tr> <tr> <td>Water (As per Ph.Eur./IP)</td> <td>Between 11.0% to 13.0%</td> </tr> </table>	Appearance (As per Ph. Eur./ USP /IP)	A white or Almost White crystalline powder. Slightly Deliquescent in moist air.	Solubility (As per Ph. Eur./USP/IP)	Freely soluble in water.	Identification		A) Test	Gives reactions of Citrates.	B) Test	Gives reactions of Sodium.	Appearance of solution (As per Ph. Eur. / IP)	The solution is clear and colourless	Acidity or Alkalinity (As per Ph. Eur. / IP)	Not more than 0.2 ml of 0.1 M HCL / 0.1 M NaOH	Alkalinity (As per USP /IP)	No pink colour is produce	Readily Carbonisable Substances.	Not more intensely coloured than reference solution Y2 or GY2.	Chlorides (As per Ph.Eur.)	Maximum 50 ppm.	Chlorides (As per IP)	Maximum 100 ppm.	Oxalates (As per Ph.Eur./IP)	Maximum 300 ppm.	Sulfates (As per Ph.Eur./IP)	Maximum 150 ppm.	Heavy Metals (As per Ph.Eur./ IP /USP)	Maximum 10 ppm	Water (As per Ph.Eur./IP)	Between 11.0% to 13.0%
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Sr.No.	Information	
		Tartrate (As per USP) No crystalline precipitate is formed.
		<p>Assay</p> <p>A) Assay by titration (As per Ph.Eur./ IP) 99.0 % to 101.0% calculated on anhydrous basis</p> <p>B) Assay by titration (As per USP) 99.0 % to 100.5% calculated on anhydrous basis</p> <p>Additional tests (In-house)</p> <p>Particle size ~ 100 % passing through 16 mesh</p> <p>Bulk density ~ 1.1 g/ml (Approx.)</p>
7	Uses	: It is used as an acidity regulator in a drinks and also as an emulsifier for oil when making cheese. It is used in glucose, sodium chloride and sodium citrate oral solution, Sodium citrate eye drops, sodium citrate irrigation solution. Ref. Wikipedia ,Pharmacopeia
8	Packing	: 25 kg net HDPE or Kraft Paper Bags with inner liner.
9	Shelf life	: Expiry Date: Five years from date of manufacturing.
10	Storage	: Store in closed container in cool, dry place & protect from light, heat dust & other contaminants.