

## **Ameera Consultancy**



Sample Copy to Boost You on Another Way

Name of Material	:	Acid – Ascorbic Acid [E 302]
Manufacturer		NA
Supplier	:	NA
Country of Origin	:	NA
Batch/Lot No.	:	NA
MFG Date	:	NA
EXP Date	:	NA
Challan No.	:	NA
QA Ref. No.	:	NA
QRN Ref. No.	·	NA
Qty. Supplied	:	NA
Date of Received	:	NA
Date of Testing	:	NA
Date of Reporting	:	NA

SN	Description	Specification	Results
01	Physical appearance	A clear, Colorless or white or almost white, crystalline powder	
02	Identification	Must be comply to BP	
02	Colubility	Freely soluble in water Soluble in alcohol	
03	Solubility	Practically insoluble in ether	
04	P <sup>H</sup> (5 % solution)	2.10 to 2.60	
05	Specific Optical Rotation (10 % solution)	+ 20.5° to + 21.5°	
06	Clarity and color of solution	Must be clear solution	
07	Assay	99.00% to 100.50%	
08	Defects Free	Free from dust. Free from foreign matter. Free from abnormal color and flavor.	W

Remarks									,	
Decision					Accepte	d		Rejecte	d	
	Tested B	У		Chec	ked By		Α	pproved	Ву	



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## **Other Related Information**

Name of Material	Acid – Ascorbic Acid [E 302]
Others Name	Ascorbic Acid Vitamin C L – ascorbic acid Ascorbate Ascor Cevalin
Chemical Composition	OH H—C—H H—C—OH —C—H —C—OH —Shutterstock.com · 1360047836
Molar Mass	176.124 gm/mol
Density	1.694 gm/cm3
Melting Point	190 – 192 C
Boiling Point	552.7 C
Others Information	<ul> <li>Ascorbic acid Vitamin C] is water soluble.</li> <li>It can be found in Citrus Fruits, other fruits and vegetables.</li> <li>It can be sold as dietary supplement.</li> <li>Used to prevent Scurvy.</li> <li>Ascorbic acid [Vitamin C] is an essential nutrients involve to repair tissue, formation of collagen, enzymatic production. Important for immune system.</li> <li>Antioxidant</li> <li>40mg/day</li></ul>
Function in Food Process	<ul> <li>Ascorbic acid is an Anti-Oxidant food additive.</li> <li>A natural preservative and a Low pH of ascorbic acid can prevent the microbial growth. Thereby, prevents food spoilage and thus preserves the freshness and original color of the food.</li> <li>The tangerine flavor of ascorbic acid enhances food products taste.</li> </ul>



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- Ascorbic acid is added to fruit juices, fruit flavored candies, dried fruits, frozen fruits to fortify or to add a citrus flavor.
- Ascorbic acid acts as a preservative to keep spoiling free for bread, meats, jams, jellies etc.
- Ascorbic acid [Vitamin C] helps to protect cells and keeping healthy, maintaining healthy skin, blood vessels, bones and cartilage.
- Ascorbic acid absorbs iron in body, helps wound healing, helps functioning in immune system.
- Ascorbic acid and its esters function as Anti-Oxidants with some substrates by protecting double bonds and scavenging Oxygen.

