

Test items		Acceptance criteria
Identification	Corresponds	
Specific optical rotation	-20.5" + 21.5"	
Melting point	189°C - 193°C	
pH	2.4-2.8 (2% W/V).	
Appearance of solution	Solution S should be clear and not more intensely coloured than reference solution B7.	
Arsenic	≤3 mg/kg	
Iron	≤2 mg/kg	
Mercury	≤1 mg/kg	
Copper	≤5 mg/kg	
Lead	≤2 mg/kg	
Sulphated ash	≤0.1 %	
Heavy metals	≤10 mg/kg	
Impurity E (oxalic acid)	≤2 %	
Loss on drying	≤0.4 %	
Assay	99.0%-100.5%	

Appearance	White or almost white, crystalline powder or colorless crystals, becoming discoloured on exposure to air moisture
Solubility	Freely soluble in water, sparingly soluble in ethanol (96%).
Melting point	About 190°C, with decomposition.
Function	It applies mainly to production of various medicines as clinically important material for supplementary cure practice in different sectors. Being food additives, it acts as superior and reliable agent in nutrition, antiseptic and flour processing aspects. It also helps enhance the immune system of animals as being served in feed additives.

Properties	Chemical formula : C ₆ H ₈ O ₆
	Molecular weight: 176.1

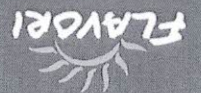
PRODUCT: ASCORBIC ACID (E300)	CODE: 101
Origin :	China
Chemical name	(5R-5-[(1S)-1,2-dihydroxyethyl]-3,4-dihydrofuran-2(5H)-one
Description	White or almost white, crystalline powder or colourless crystals, becoming discoloured on exposure to air moisture

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PACKAGE	
Standard packaging	Mixing of herbs and spices and packed in consumer units (plastic bottles and plastic bags) or industrial packaging (up to 25 kg)
Label	Label mentioning name of product, weight, lot number, barcode, and expiring date.
Storage	To be stored cool and dry in closed packaging. Protected from sunlight
Shelf life	Minimum 2 years

Residual solvents	methanol	≤3000 ppm					
	Microbial limits	<table border="1"> <tr> <td>TAMC</td> <td>≤1000 cfu/g</td> </tr> <tr> <td>TYMC</td> <td>≤ 100 cfu/g</td> </tr> <tr> <td>E.Coli.</td> <td>absent</td> </tr> </table>	TAMC	≤1000 cfu/g	TYMC	≤ 100 cfu/g	E.Coli.
TAMC	≤1000 cfu/g						
TYMC	≤ 100 cfu/g						
E.Coli.	absent						
Related substances	Impurity C	≤0.15%					
	Impurity D	≤0.15%					
	Unspecified	≤0.10%					
	Impurities						

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101: ALBA LIST : ASCORBIC ACID (E300)

N°	ALLERGEN	In the product	Production site	Risk of cross contamination
1	Cereals containing gluten(i.e: wheat, rye, barley, oats, spelt, kamut or their hybridized strains) and products thereof	No	yes	yes
2	Crustaceans and products thereof	No	No	No
3	Eggs and products thereof	No	No	No
4	Fish and products thereof	No	No	No
5	Peanuts and product thereof	No	No	No
6	Soybeans and product thereof	No	yes	Yes
7	Milk and products thereof (including lactose)	No	yes	Yes
8	Nuts (.Almonds, hazelnuts, walnuts, cashews, pecans, Brazilnuts, Pistachios, macadamia nuts and Queensland nuts) and products thereof.	No	No	No
9	Celery and products thereof	No	yes	yes
10	Mustard and products thereof	No	yes	yes
11	Sesame seeds and products thereof	No	yes	yes
12	Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg, expressed as SO2	No	No	No
13	Lupin and products thereof	No	No	No
14	Molluscs and product thereof	No	no	No

Regulation (EC) n° 178/2002 being the general food law.

Is the product or part thereof subject to GMO labeling? Yes No

As per legislation 2003/1829/EC and 2003/1830/EC.

Assessment: Results of pesticide analysis meet the requirements of the EU regulation 396/2005 setting limit values for pesticides.