

SPECIFICATION SHEET

PRODUCT	CARMINEX™ RED ACID STABLE POWDER 90%	Product code	ACAR 07
		Common Name	Ammonium Carminate
Material Description	It is an organic natural colour obtained from Cochineal extractions (<i>Dactylopius coccus Costa</i>). The carminic acid is present in association with ammonium and this cation may be present in excess. This product is free of aluminium and calcium, and its main characteristic is to maintain a red stable colour in acidic media. The main colorant is 4 amino carminic acid.		
Shelf life	Two years.		

Approval	Carminex™ Red Acid Stable 90% in full compliance with the National Formulary and 21 CFR 73.100 for Cochineal derivatives.		
Composition	4 Amino carminic acid	90 %	
	Ammonia	1 %	
	Maltodextrine	9 %	
Stability	Good stability to the changes of pH, maintaining a red shade between pH 1 to 9. Besides, it shows good stability to light and heat.		
Application- Recommended dosage	Carminex™ Red Acid Stable Powder 90% is a product specially developed to be used in beverages. Its main characteristic is the stability of its red shade at the changes of pH. It may be used in soft drinks, alcoholic drinks, and some other product where a red colour is needed. Not intended for European Union consumption.		
Nutritional data	Proteins	1 %	
	Lipids	0 %	
	Carbohydrate	9 %	
	Sodium	0,1 %	

PHYSICO-CHEMICAL REQUIREMENTS:

Appearance	Dark red violet powder												
Concentration	90% + -2,5% as Carminic Acid												
Solubility	It is a product easily soluble in water and in alcoholic solutions, keeping in both cases a red shade												
Particle Size	100% mesh 200												
Loss on drying	Not more than 10%												
Protein content (N x 6,25)*	Not more than 25%												
Total ash*	Not more than 12%												
Matter insoluble in dilute ammonia*	Not more than 1%												
Heavy metals*	<table> <tr> <td>Mercury</td> <td>Not more than</td> <td>0,5 ppm</td> </tr> <tr> <td>Lead</td> <td>Not more than</td> <td>1,5 ppm</td> </tr> <tr> <td>Arsenic</td> <td>Not more than</td> <td>1 ppm</td> </tr> <tr> <td>Cadmium</td> <td>Not more than</td> <td>0,1 ppm</td> </tr> </table>	Mercury	Not more than	0,5 ppm	Lead	Not more than	1,5 ppm	Arsenic	Not more than	1 ppm	Cadmium	Not more than	0,1 ppm
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Lead	Not more than	1,5 ppm											
Arsenic	Not more than	1 ppm											
Cadmium	Not more than	0,1 ppm											

MICROBIOLOGICAL REQUIREMENTS:

Total plate count	Not more than 1000ufc/g
Mould count	not more than 100ufc/g
Yeast count	not more than 100ufc/g
Coliforms*	<3 NMP/g
Staphylococcus aureus*	<3 NMP/g
E coli*	<3 NMP/g
Salmonella spp**	Absent in 10gr

*Analysis performed periodically.

**Analysis performed by 50 lots composite.



PACKING AND STORE CONDITIONS:

Store conditions	At normal temperature. Store in a dry location (5-30°C). No refrigeration needed. Prevent from humidity.
Packing	Double polyethylene bags of 25 or 50 Kg. inside a carboard box.

CERTIFICATES AND CONFORMITY:

BRC	Certified
HALAL	Certified
KOSHER	Certified
ALLERGEN	Allergen free
BSE/TSE	No BSE/TSE
GMO Status	Non - GMO
Non irradiated	Yes