

SPECIFICATION SHEET

PRODUCT	PURPLE CORN 7.5% ANTHOCYANIN	Product code	ANTHOCYANIN 60
		Common Name	Anthocyanin 7,5%
Synonyms	Purple corn, CAS NUMBER : 11029-12-2 EEC N°: E163(c)		
Material Description	ANTHOCYANIN 7.5 % is a natural food colorant which is obtained by aqueous extractions from purple corn (<i>Zea mays L.</i>), followed by processes of concentration and dried by Spray Dry		
Shelf life	Two years. After the first year maybe you have to correct the dosage. Under conservation conditions already mentioned		

Composition	Purple corn 65 - 80% Maltodextrin 35 - 20%
Stability	Moderately stable toward light and heat. It has good stability against oxidation, change in pH, and microbiological attacks.
Application- Recommended dosage	R It is used in the pharmacological industry: antioxidant effect (USA) , food industry, in the coloring of juices, refreshments, alcoholic drinks, jams, jellies, candies, etc. Recommended dosage: 100-500 mg/Kg.
Nutritional data	Proteins 0 % Lipids 0 % Carbohydrate 35 %

PHYSICO-CHEMICAL REQUIREMENTS:

Appearance	Dark reddish purple fine powder
Concentration	7,5 +/- 2,5% .
pH (1%)	2 – 3.5
Solubility	Soluble in water until 0,8% (w/w) and hydro-alcoholic solutions.
Particle Size	100% mesh 200
Loss on drying	<10%
Heavy metals*	Mercury <1 ppm Lead <2 ppm Arsenic <1 ppm Cadmium <1 ppm Other heavy metals <10 ppm
Solvents*	Metanol Not more than 50 mg/Kg Etanol Not more than 200 mg/Kg

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*	Should be absent /25 gr

*Analysis performed periodically.

PACKING AND STORE CONDITIONS:

Store conditions	Protect from exposure to light, air, humidity and excessive heat. Stored in well sealed polyethylene packages.
Packing	Double polyethylene bags of 5, 25 or 50 Kg. inside a fibre drum.




CERTIFICATES AND CONFORMITY:

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

Date : June 18, 2019

Version: 6

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