

SPECIFICATION SHEET

PRODUCT	N BIXINEX™ 70%	Product code	NBX 31
		Common Name	Norbixin 70%
Synonyms	Annatto C, Orlean, L. Orange, CI Natural Orange 4 CI 75120. Chemical Abstract Service (CAS) registry number 542-40-5. SIN 160b(ii), EINECS 208-810-8. E160b(ii).		
Material description	<p>N BIXINEX™ 70% is a dark gray-brown Norbixin powder obtained by the hydrolysis of bixin, this coloring matter is produced by solvent extraction of annatto seeds (<i>Bixa orellana</i>).</p> <p>It contains maltodextrin to regulate with the concentration of the product.</p>		
Shelf life	Two years. After the first year maybe you have to correct the dosage. Under conservation conditions already mentioned		

Approval	<p>N BIXINEX™ 70% fully complies with the requirements of the U.S. Code of Federal Regulations (Chapter 21CFR 73.30) for Annatto Colours and is exempt from U.S. certification, cumplies with JECFA (2015) and Regulation (EU) 2020/771.</p>		
Composition	<p>Norbixin 90%</p> <p>Maltodextrin 10%</p>		
Stability	Moderately stable toward light and heat. It has good stability against oxidation, change in pH, and microbiological attacks.		
Application- Recommended dosage	<p>Food industry (alcoholic beverages, dairy desserts, dry pet foods, snack foods, processed cheese, ice cream, baked goods, icings, seafood).</p> <p>ADI: 0 – 0,6 mg/Kg, in amounts consistent with good manufacturing practice and according to the current food legislation of each country.</p>		
Nutritional data	<p>Proteins 0 %</p> <p>Lipids 0 %</p> <p>Carbohydrate 10%</p> <p>Sodium 0,5%</p>		

PHYSICO-CHEMICAL REQUIREMENTS:

Appearance	Dark gray-brown powder	
Concentration	70 ± 2%	
Solubility	Completely soluble in alkaline water without any oil material residue or sediment. Insoluble in oil	
Loss on drying	<10%	
Heavy metals*	Arsenic	Not more than 2 mg/Kg
	Lead	Not more than 1 mg/Kg
	Mercury	Not more than 1 mg/Kg
	Cadmium	Not more than 0,5 mg/Kg
Solvent residues *	Methanol	Not more than 50 ppm
	Acetone	Not more than 30 ppm
	Hexane	Not more than 25 ppm
	Etanol	} Not more than 50 ppm, separaty or together
	Isopropilic alcohol	
Ethyl acetate		

*Analysis performed periodically.

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

*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 cardboard boxes

CERTIFICATES AND CONFORMITY:

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

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