

SPECIFICATION SHEET

PRODUCT	N BIXINEX™ WATERSOLUBLE 15%	Product code	NBX 33
		Common Name	Norbixin watersoluble 15%
Synonyms	Annatto C, Natural orange 4 CI 75120. Chemical Abstract Service (CAS) registry number 33261-81-3. E 160b(ii), EINECS 208-810-8, INS160b(ii).		
Material Description	It is a water-soluble Norbixin powder in orange color, obtained from an alkaline solution of hydrolyzed Bixin, dried by spraying. This coloring matter is produced by solvent extraction of annatto (<i>Bixa orellana</i>) seeds in alkaline medium. Contains maltodextrin to regulate with product concentration.		
Shelf life	Two years. After the first year maybe you have to correct the dosage. Under conservation conditions already mentioned.		

Approval	N BIXINEX™ WATERSOLUBLE 15% 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), Regulation (UE) 2020/771.		
Composition	Norbixin	20,0%	
	Maltodextrine	78,0%	
	Sodium hydroxide	2,0%	
Stability	Moderately stable toward light and heat. It has good stability against oxidation, change in pH, and microbiological attacks.		
Application- Recommended dosage	Food industry (alcoholic beverages, dairy desserts, dry pet foods, snacks foods, processed foods, processed cheese, ice cream, baked foods, icings, seafood). ADI: 0 – 0,6 mg/Kg, in amounts consistent with good manufacturing practice and according to the current food legislation of each country.		
Nutritional data	Proteins	0 %	
	Lipids	0 %	
	Carbohydrate	78%	
	Sodium	1,15%	

PHYSICO-CHEMICAL REQUIREMENTS:

Appearance	Fine dark orange powder	
Concentration	15 +/- 2,5%.	
Solubility	Completely soluble in water (crystalline) without any oil material residue or sediment.	
Particle Size	100% mesh 200	
Loss on drying	<10%	
Heavy metals*	Arsenic Lead Mercury Cadmium	Not more than 2 mg/Kg Not more than 1 mg/Kg Not more than 1 mg/Kg Not more than 0,5 mg/Kg
Solvent residues *	Methanol Acetone Hexane	Not more than 50 ppm Not more than 30 ppm Not more than 25 ppm
	Etanol Isopropilic alcohol Ethyl acetate	} Not more than 50 ppm, separatly or together

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.

Date : July 30, 2020

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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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HEAD OFFICE & FACTORY: Jr. Los Titanes 236, La Campiña, Chorrillos, Lima 9 - Perú
 Telephone: (51-1) 251-6630 (51-1) 251-6800 Fax: (51-1) 251-3696
 e-mail: pronex@pronex.com.pe