

SPECIFICATION SHEET

PRODUCT	N BIXINEX™ WATERSOLUBLE 28%	Product code	NBX 34
		Common Name	Norbixin watersoluble 28%
Synonyms	Annatto C, Orlean, L. Orange, CI Natural Orange 4 CI 75120. Chemical Abstract Service (CAS) registry number 542-40-5. SIN 160b(ii), E160b(ii).		
Material description	N BIXINEX™ WATERSOLUBLE 28% is a brown-orange, water soluble Norbixin powder obtained by mixing pure norbixin with sodium carbonate for easy cold water solubility. This coloring matter is produced by solvent extraction of annatto seeds (<i>Bixa orellana</i>).		
Shelf life	Two years. After the first year maybe you have to correct the dosage. Under conservation conditions already mentioned		

Approval	N BIXINEX™ WATERSOLUBLE 28% 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, complies with JECFA (2015) and Regulation (EU) 2020/771.		
Composition	Norbixin	40%	
	Sodium carbonate	60%	
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, snack foods, processed cheese, ice cream, baked goods, cings, 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	1 %	
	Sodium	31 %	

PHYSICO-CHEMICAL REQUIREMENTS:

Appearance	Brown-orange powder	
Concentration	28 ± 2%	
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, separately or together

*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.

Date : July 30, 2020

Version:3



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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