

**DATASHEET****Cereal Hydrated Ethanol**

CEREÁLCOOL® Cereal Hydrated Ethyl Ethanol is produced by the Dry-milling process, a technology widely used in the production of cereal alcohol. By using enzymes and yeast, it is a completely natural process.

PHYSICAL AND CHEMICAL SPECIFICATIONS:				VALIDITY: 36 MONTHS		
ANALYSIS	UNIT	METHOD		SPECIFICATIONS		
Specific Mass at 20 °	g/cm <sup>3</sup>	NBR-5992	Minimum	0,8053	Maximum	0,8082
Alcohol content at 20 °	°INPM	NBR-5992	Minimum	93,5	Maximum	94,5
Alcohol content at 20 °	° GL	NBR-5992	Minimum	95,5	Maximum	96,5
Acetone	ppm (mg/L)	NBR-10260	Minimum	0,0	Maximum	0,002
Total acidity	ppm (mg/L)	NBR-9866	Minimum	0,05	Maximum	0,10
Aldehydes	ppm (mg/L)	NBR-10260	Minimum	0,00	Maximum	0,20
Esters	ppm (mg/L)	NBR-10260	Minimum	0,00	Maximum	0,20
Higher Alcohols	ppm (mg/L)	NBR-10260	Minimum	0,00	Maximum	0,20
Ethyl Acetate	ppm (mg/L)	NIOSH 1457	Mínimo	0,00	Máximo	0,002
Sódium sulfate	% m/v	USP 42 <sup>(2)</sup>	Mínimo	0,00	Máximo	0,01
Sensory	Sensory	NBR-13088	Approved		Approved	
Lead	ppm (mg/L)	FQ-0159 <sup>(4)</sup>	Mínimo	0,00	Maximum	0,002
Copper	ppm (mg/L)	NBR-10893	Minimum	0,00	Maximum	0,002
Sulfur	ppm (mg/L)	FQ-0159 <sup>(4)</sup>	Mínimo	0,00	Maximum	0,002
Mercury	ppm (mg/L)	FQ-0073 <sup>(4)</sup>	Mínimo	0,00	Maximum	0,002
Cádmium	ppm (mg/L)	USP 41 (3)	Mínimo	0,00	Maximum	0,002
Arsenic	ppm (mg/L)	USP 41 (3)	Mínimo	0,00	Maximum	0,002
pH	-	NBR-10891	Minimum	5,5	Maximum	7,7
Barbet Test	S/m	NBR-5824	Minimum	40 min.	Maximum	65
Methanol	ppm (mg/L)	NBR-10260	Minimum	0,00	Maximum	0,40
Conductivity	S/cm <sup>2</sup>	NBR-10547	Minimum	10	Maximum	50

Sensory analysis: Free of suspended material, characteristic odor, colorless, flammable and volatile liquid.

Packaging: disposable plastic bottle. Packaging is harmless and does not impair the original characteristics of the product.

Validity: 36 months. The product will retain its characteristics if it is kept in a closed container and protected from light, but with the opened bottle it will gradually lose its characteristics as it is volatile.

Storage: in a suitable plastic container, well closed, protected from light, in a temperature below 25 ° C.

(3) UNITED STATES PHARMACOPEIAL CONVENTION, INC. USP / NF: The official compendia of standards, 41st edition. Rockville: USP, 2018

(1) UNITED STATES PHARMACOPEIAL CONVENTION, INC. USP / NF: The official compendia of standards, 42nd edition. Rockville: USP, 2019. UNITED STATES PHARMACOPEIAL CONVENTION, INC. USP 42 / NF 37 The official compendia of standards, Chemical Tests / <561> Articles of Botanical Origin 42nd edition. United Book Press, Inc.: USP, 2019.

REFERÊNCIAS BIBLIOGRÁFICAS: Farmacopeia Brasileira, 5ª Ed. 2010. Vol.2 – Monografia Álcool Etílico. Farmacopeia Homeopática Brasileira, 3ª Ed. 2011. Monografia Álcool. Farmacopéia Brasileira. IV ed., 6ª fascículo, 2005. Monografia Álcool Etílico. LEGISLATION: ABNT NBR 14725:2014. Raw material used: Corn or sorghum (They are not sources of allergens).

**MAIN APPLICATIONS:**

FOOD INDUSTRY: Production of aromatic essences and vegetable extracts;

Manufacture of composite beverages and liqueurs; Production of vodka, gins, steinheger, cognacs, etc.

PERFUMERY AND COSMETIC INDUSTRY: Production of aromatic essences and extracts;

Production of perfumes, cologne, deodorants, etc. ; Production of cosmetics.

PHARMACOLOGY: Production of active principles and phytotherapeutic extracts; Pharmacy manipulation; ssepcia.

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