



INTRODUCING High Premium Grade Anhydrous Ethanol 100% Absolute Alcohol (AR-ACS Grade)



We are manufacturing **High Premium Grade anhydrous Ethanol** adhering the stringent quality standards.

High Premium Grade anhydrous Ethanol widely used in critical analytical application quantitative analysis and organic synthesis

Features

- International standard method are used for analysis of high premium grade anhydrous Ethanol.
- We offer customised packing 500ml, 1 Ltr, 2.5Ltr, 5 Ltr, 25 Ltr, 50 Ltr, 200 Ltr. & ISO Tank
- Manufactured in our state of art facility & packed under controlled environment

Following documentation support given by us :

COA

Pack Mode Declaration,

ISO certificates

MSDS

TSE / BSE free Certificate,

Manufacturing Flow Chart

CERTIFICATE OF ANALYSIS
HIGH PREMIUM GRADE ANHYDROUS ETHANOL 100 %
Absolute Alcohol (AR-ACS Grade)



Certificate No.	19022024 005 5268-19	Lab ID.	19022024 005 15022024
Batch No.	NAR402005	Date Of Analysis.	15 02 2024
Product Code.	5268-19	Specification No.	SP-5268-19
Mfg Date.	02 2024	Exp Date.	01 2029

Sr. No	Test	Standard	Results
1	Appearance	Clear, colorless, mobile, volatile liquid	Clear, colorless, mobile, volatile liquid
2	Color of solution	≤ 10 Hazen	≤ 10 Hazen
3	Identity (IR)	The infrared absorption spectrum of sample exhibit maxima, which are only at the same wavelength as in the spectrum of Alcohol.	Concordant with reference spectra
4	Solubility	Miscible with water and with practically all-organic solvents.	Miscible with water and with practically all-organic solvents
5	Density (d 20 °C/20 °C)	0.790 - 0.793	0.791
6	Acidity or alkalinity	NMT 30 ppm	≤ 20 ppm
7	Titration acid	≤ 0.0002 meq/g	≤ 0.0002 meq/g
8	Titration base	≤ 0.0002 meq/g	≤ 0.0002 meq/g
9	Ultraviolet absorption in a 5 cm cell.	Absorbance: NMT 0.40 at 240 nm. NMT 0.30 between 250 & 260 nm. NMT 0.10 between 270 & 340 nm.	0.267 at 240 nm 0.102 between 250 & 260 nm 0.014 between 270 & 340 nm
10	Aldehydes (as Acetaldehyde)	NMT 10 ppm	1.6 ppm
11	Fusel oils	No red or brown colour is produced	No red or brown colour is produced
12	Substances reducing potassium permanganate (as O)	≤ 0.0002 %	≤ 0.0002 %
13	Substances reducing permanganate	passes test	Conforms
14	Carbonyl compounds (as CO)	NMT 30 ppm	05 ppm
15	Readily carbonizable substances	passes test	Conforms
16	Acetone, Isopropyl Alcohol	passes test	No pick color produced
17	Acetone	NMT 10 ppm	0.5 ppm
18	Ethylmethylketone	NMT 200 ppm	1.4 ppm
19	Isoamyl alcohol	NMT 500 ppm	1.0 ppm
20	2-Propanol	NMT 100 ppm	0.8 ppm
21	Higher alcohols	NMT 100 ppm	1.5 ppm
22	Volatile impurities (GC) (Acetaldehyde and Acetal)	NMT 10 ppm	1.8 ppm
23	Benzene	NMT 2 ppm	Not detected
24	Methanol	NMT 100 ppm	1.1 ppm
25	Volatile impurities (GC) (Total of other impurities)	NMT 300 ppm	9.7 ppm
26	Purity (By GC)	≥ 99.9 %	99.97 %
27	Chloride (Cl)	≤ 0.3 ppm	≤ 0.3 ppm
28	Nitrate (NO ₃)	≤ 0.3 ppm	≤ 0.3 ppm
29	Phosphate (PO ₄)	≤ 0.3 ppm	≤ 0.3 ppm
30	Sulfate (SO ₄)	≤ 0.3 ppm	≤ 0.3 ppm
31	Evaporation residue	NMT 5 ppm	3.6 ppm
32	Water (by KF)	NMT 0.1%	0.07%

Elemental Impurity specification have been set up considering ICHQ3D. (Guidelines for elemental impurity)

Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit. Unless specified and indicated.

Result: The material complies with the above standard specification.

The above data do not relieve the user from analyzing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use cannot be derived thereof.

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