

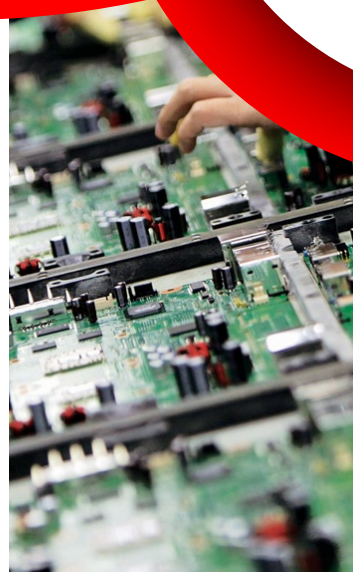
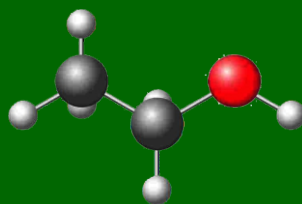
**MSB CHEMICAL LIMITED**

**ISO 9001-2015 Certified**

**FDA, GMP & FSSAI Approved Plant**

**HOUSE OF  
ETHANOL**

# Product List 2025



[sales@msbchemical.com](mailto:sales@msbchemical.com)  
[export@msbchemical.com](mailto:export@msbchemical.com)  
[info@msbchemical.com](mailto:info@msbchemical.com)

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20)	ETHANOL 96% PERFUME GRADE	
21)	ETHANOL 99% PERFUME GRADE	

## NOTE

- 1) POR - (PRICE ON REQUEST)
- 2) (\*) - CUSTOMIZE PACK SIZE IS AVAILABLE.
- 3) GST@18% (EXTRA)
- 4) FREIGHT APPLICABLE

**We can make anything in Ethanol as per customer requirement**

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## India's first fully indigenous Analytical & Pharmacopeial Grade Ethanol Manufacturing plant

We are manufacturing highly pure **Ethanol** adhering to the stringent quality standards.

Facility is approved by **FDA-Maharashtra & FSSAI**

Our laboratory is fully equipped to fulfill the requirement of quality and analytical testing

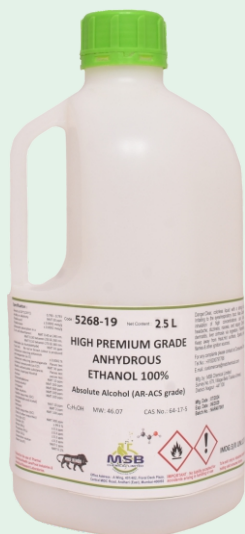
**Ethanol** is one of the largest volume organic solvent used in industrial as well as consumer products.

The primary industrial uses of this aliphatic alcohol are intermediate in the production of other chemicals and as a solvent





1 Ltr



2.5 Ltr

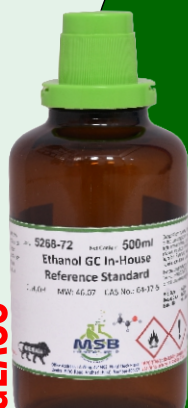


5 Ltr



200 Ltr

**Packing from**  
500 ml / 1.0 liters / 2.5 liters / 4 liters  
5 liters / 35 liters /  
25 liters / 50 liters / 200 liters /  
1000 liters IBC Tanks and  
25000 liters ISO tanks.



500 ml

GLASS



500 ml

HDPE





## High Premium Grade Anhydrous Ethanol

### 100% Absolute Alcohol

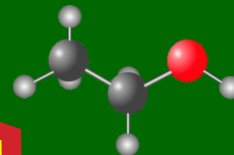
We are manufacturing High Premium Grade anhydrous Ethanol adhering the stringent quality standards.

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, 5Ltr, 25Ltr, 200Ltr. & ISO Tank
- Manufactured in our state of art facility &
- Packed under controlled environment

Code	Item Description	Pack Size	Packing	HSN	Price
5268-19	High Premium Grade Anhydrous Ethanol 100% Absolute Alcohol Description : Analytical Research Grade chemical are ideal for precise laboratory analytical testing.)	500 ml	HDPE	22071012	2800
		1 Ltr	HDPE		3900
		2.5 Ltr	HDPE		10500
		5 Ltr	HDPE		15600
		25 Ltr	HDPE		POR
		200 Ltr	HDPE		POR



**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 <sub>3</sub> )	≤ 0.3 ppm	≤ 0.3 ppm
29	Phosphate (PO <sub>4</sub> )	≤ 0.3 ppm	≤ 0.3 ppm
30	Sulfate (SO <sub>4</sub> )	≤ 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.**

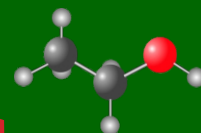
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## Ethanol Absolute For Analysis ISO, AR-ACS 99.9%



ISO grade solvents are suitable for a broad spectrum of classical lab applications, and are frequently used in regulated and highly demanding lab applications.

ISO grade provides worldwide best and most extensive product specifications. We declare our ISO grade to be in compliance with the ACS, with the reagent part of the All Pharmacopoeia and also with the ISO standards.

### Features

Our ethanol is an obvious choice for a sustainable future because of its high quality, afford ability, and ready availability.

- It is produced from grain or sugar cane, a renewable source
- Less toxic than synthetic ethanol (no toxic by-products)
- Reliable availability
- Production method is safer for the environment

Code	Item Description	Pack Size	Packing	HSN	Price
5268-90	ETHANOL ABSOLUTE FOR ANALYSIS ISO, AR-ACS 99.9%	500 ml	HDPE	22071012	3800
		1 Ltr	HDPE		4900
		2.5 Ltr	HDPE		11500
		5 Ltr	HDPE		16600
		25 Ltr	HDPE		POR
		200 Ltr	HDPE		POR



# Ethanol absolute for analysis ISO, AR-ACS 99.9 %

Certificate No. 29072024|001|5268-90

Lab ID.

29072024|001|29072024

Batch No. NEISO407001

Date Of Analysis.

29|07|2024

Product Code. 5268-90

Specification No.

SP-5268-90

Mfg Date. 07|2024

Exp date

06|2029

Sr. No	Test	Standard	Results				
1	Appearance	Clear, colorless, mobile, volatile liquid	Clear, colorless, mobile, volatile liquid	33	Water (by KF)	NMT 0.1%	0.070 %
2	Color of solution	≤ 10 Hazen	≤ 10 Hazen	34	Aluminium (Al)	≤ 0.5 ppm	≤ 0.5
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	35	Barium (Ba)	≤ 0.1 ppm	≤ 0.1 ppm
4	Solubility	Miscible with water and with practically all-organic solvents.	Miscible with water and with practically all-organic solvents	36	Calcium (Ca)	≤ 0.5 ppm	≤ 0.5 ppm
5	Density (d 20 °C/20 °C)	0.790 - 0.793	0.7914	37	Cadmium (Cd)	≤ 0.05 ppm	≤ 0.05 ppm
6	Acidity or alkalinity	NMT 30 ppm	≤ 25 ppm	38	Cobalt (Co)	≤ 0.02 ppm	≤ 0.02 ppm
7	Titration acid	≤ 0.0002 meq/g	≤ 0.0002 meq/g	39	Chromium (Cr)	≤ 0.02 ppm	≤ 0.02 ppm
8	Titration base	≤ 0.0002 meq/g	≤ 0.0002 meq/g	40	Copper (Cu)	≤ 0.02 ppm	≤ 0.02 ppm
9	Ultra-violet 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.	0.279 at 240 nm 0.108 between 250 & 260 nm 0.017 between 270 & 340 nm	41	Iron (Fe)	≤ 0.1 ppm	≤ 0.1 ppm
10	Aldehydes (as Acetaldehyde)	NMT 10 ppm	5.8 ppm	42	Magnesium (Mg)	≤ 0.1 ppm	≤ 0.1 ppm
11	Fusel oils	No red or brown colour is produced	No red or brown colour is produced	43	Manganese (Mn)	≤ 0.02 ppm	≤ 0.02 ppm
12	Substances reducing potassium permanganate (as O)	≤ 0.0002 %	≤ 0.0002 %	44	Nickel (Ni)	≤ 0.02 ppm	≤ 0.02 ppm
13	Substances reducing permanganate	passes test	Conforms	45	Lead (Pb)	≤ 0.1 ppm	≤ 0.1 ppm
14	Carbonyl compounds (as CO)	NMT 30 ppm	07 ppm	46	Tin (Sn)	≤ 0.1 ppm	≤ 0.1 ppm
15	Readily carbonizable substances	passes test	Conforms	47	Silver	≤ 0.02 ppm	≤ 0.02 ppm
16	Acetone, Isopropyl Alcohol	passes test	No pink color produced	48	Arsenic (As)	≤ 0.02 ppm	≤ 0.02 ppm
17	Acetone	NMT 10 ppm	0.4 ppm	49	Gold (Au)	≤ 0.02 ppm	≤ 0.02 ppm
18	Ethylmethylketone	NMT 200 ppm	1.9 ppm	50	Beryllium (Be)	≤ 0.02 ppm	≤ 0.02 ppm
19	Isoamyl alcohol	NMT 500 ppm	1.4 ppm	51	Bismuth (Bi)	≤ 0.02 ppm	≤ 0.02 ppm
20	2-Propanol	NMT 100 ppm	0.9 ppm	52	Gallium (Ga)	≤ 0.02 ppm	≤ 0.02 ppm
21	Higher alcohols	NMT 100 ppm	2.1 ppm	53	Indium (In)	≤ 0.02 ppm	≤ 0.02 ppm
22	Volatile impurities (GC) (Acetaldehyde and Acetal)	NMT 10 ppm	7.2 ppm	54	Lithium (Li)	≤ 0.02 ppm	≤ 0.02 ppm
23	Benzene	NMT 2 ppm	Not detected	55	Molybdenum (Mo)	≤ 0.02 ppm	≤ 0.02 ppm
24	Methanol	NMT 100 ppm	1.8 ppm	56	Platinum (Pt)	≤ 0.02 ppm	≤ 0.02 ppm
25	Volatile impurities (GC) (Total of other impurities)	NMT 300 ppm	8.9 ppm	57	Antimony (Sb)	≤ 0.02 ppm	≤ 0.02 ppm
26	Volatile impurities (GC) disregard limit)	≤ 9 ppm	7 ppm	58	Thallium (Tl)	≤ 0.02 ppm	≤ 0.02 ppm
27	Purity (By GC)	≥ 99.9 %	99.99 %	59	Titanium (Ti)	≤ 0.02 ppm	≤ 0.02 ppm
28	Chloride (Cl)	≤ 0.3 ppm	≤ 0.3 ppm	60	Vanadium (V)	≤ 0.02 ppm	≤ 0.02 ppm
29	Nitrate (NO <sub>3</sub> )	≤ 0.3 ppm	≤ 0.3 ppm	61	Zinc (Zn)	≤ 0.1 ppm	≤ 0.1 ppm
30	Phosphate (PO <sub>4</sub> )	≤ 0.3 ppm	≤ 0.3 ppm	62	Zirconium (Zr)	≤ 0.02 ppm	≤ 0.02 ppm
31	Sulfate (SO <sub>4</sub> )	≤ 0.3 ppm	≤ 0.3 ppm				
32	Evaporation residue	NMT 5 ppm	3.6 ppm				

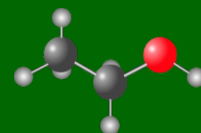
**Result: The material complies with the above standard specification.**

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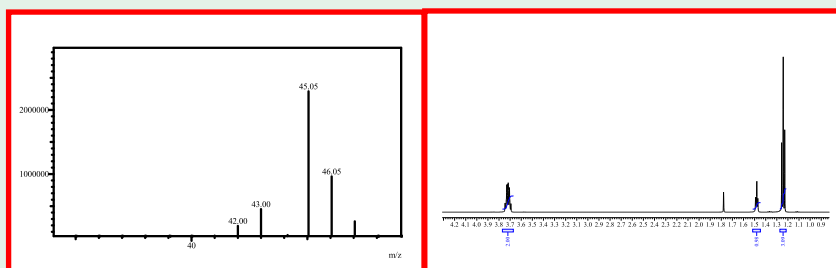




## Ethanol GC In House Reference Standard

### Features

- Reliable, accurate analytical results
- Comprehensive application area
- Ethanol are developed specially for this highly sophisticated application areas.
- Unmatched batch-to-batch consistency
- Lower analytical costs
- No repeat analyses
- Suitable for pharmacopoeia analysis
- our ethanol are made from high-quality raw materials in our state-of-the-art production facilities



Code	Item Description	Pack Size	Packing	HSN	Price
5268-72	ETHANOL GC-IN-HOUSE REFERENCE STANDARD (Description : Manufactured Gradient Grade for gas chromatography instruments.)	500 ml	GLASS BOTTLE	22071012	4300



## CERTIFICATE OF ANALYSIS

## ETHANOL GC IN-HOUSE REFERENCE STANDARD

Certificate No.	25052024 001 5268-72	Lab ID.	25052024 001 03062024
Batch No.	NGS405001	Date Of Analysis.	03 06 2024
Product Code.	5268-72	Specification No.	SP-5268-72
Mfg Date.	05 2024	Exp Date	04 2026

Sr. No	Test	Standard	Results
1	Description	Clear, colorless, mobile, volatile liquid	Clear, colorless, mobile, volatile liquid
2	Identification a. GC MS b. IR Spectra	Should Confirm the structure The IR absorption of the sample, concordant with the spectrum obtained from the Standard of Ethanol	Complies Complies
3	Water (by KF)	NMT 0.1%	0.09 %
4	Refractive Index (at 20 °C)	1.358 to 1.361	1.360
5	Evaporation residue	NMT 10 ppm	3.8 ppm
6	Specific Gravity (at 20 °C)	0.789 - 0.791	0.7895
7	GC/FID Purity	NLT 99.0 %	99.91 %
8	Assay (By GC)	NLT 99.0 %	99.91 %

## GC Condition:

Column: DB-624 (30 m X 0.53 mm X 3 µm film thickness)

Injector Temperature: 140 °C.

Detector temperature: 250 °C.

Linear Velocity: 35 cm/sec.

Oven temperature: Initial 40 °C, Hold for 20 minutes, ramp 10 °C/min, up to 240°C for 20 minutes.

Injection volume: 1.0 µl

Sample: as such to be injected

**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.

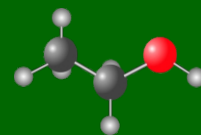
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## Ethanol Absolute Gradient Grade for LC



- With their high degree of UV Transmittance, low particle count, low acidity and alkalinity and low evaporation residue level, gradient solvents are ideal for reproducible separations
- They are produced from specially selected raw materials, and undergo a number of purification steps prior to final packaging.
- This enables you to minimize the gradient effect of the solvent involved

### Your benefits:

**Reliability:** High accuracy  
**Precision:** High batch to batch consistency  
**High UV transmission**  
**Low residue on evaporation**  
**Excellent batch-to-batch reproducibility**  
**Low absorbance values**  
**Microfiltration through 0.2 µm filter.**

Code	Item Description	Pack Size	Packing	HSN	Price
5268-77	ETHANOL ABSOLUTE GRADIENT GRADE FOR LC	500 ml	GLASS BOTTLE	22071012	4900



## CERTIFICATE OF ANALYSIS

## Ethanol Absolute Gradient Grade for LC

Certificate No.	31082024 001 5268-33	Lab ID.	31082024 001 31082024
Batch No.	NGG408001	Date Of Analysis.	30 08 2024
Product Code.	5268-77	Specification No.	SP-5268-77
Mfg Date.	08 2024	Exp Date.	07 2026
Test parameter	Unit	Specification	Result
Purity (GC Area)	%	99.90	99.99
Identity (IR)		Conforms	Conforms
Residue (Evaporation)	%	≤ 0.0002	≤ 0.0002
Water (H <sub>2</sub> O) by KF	%	≤ 0.10	0.08
Acidity	meq/g	≤ 0.0002	≤ 0.0002
Alkalinity	meq/g	≤ 0.0002	≤ 0.0002
Gradient grade (at 235 nm)	mAU	≤ 5	≤ 5
Gradient grade (at 254 nm)	mAU	≤ 2	≤ 2
Transmission @ 210 nm	%	≥ 20	37.3
Transmission @ 225 nm	%	≥ 50	68.3
Transmission @ 240 nm	%	≥ 80	89.3
Transmission @ 260 nm	%	≥ 98	98.9

Filtered by 0.2 µm filter

**Result: The material complies with the above standard specification.**

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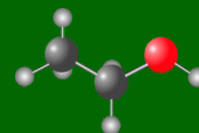
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## Ethanol Absolute HPLC Grade



- We are pleased to introduce the launch of new LC/GC range of High Purity Solvents as a part of MSB Chemical Limited (House of Ethanol) Product portfolio to provide complete work flow solution for HPLC, GC & LCMS analysis
- We are major manufacturer of high purity ethanol in India, having a specialty in ethanol purification. We are working hard toward achieving 'High Quality, High Customer satisfaction' by enforcing strict quality management and new product development.
- HPLC & LCMS Solvents are designed to provide rapid, reproducible performance and separation in research and quality control applications. Solvents are manufactured using multi step purification processes that produce reliable, low background noise. Products are controlled for UV transparency for optimum sensitivity.

Code	Item Description	Pack Size	Packing	HSN	Price
5268-33	ETHANOL ABSOLUTE ALCOHOL HPLC ABSOLUTE ALCOHOL (Description : LC grade means that the chemical is suitable for use in HPLC.)	500 ml 2.5 Ltr	GLASS BOTTLE	22071012	4100 POR



Visit us at :

[www.msbchemical.com](http://www.msbchemical.com)

## Ethanol Absolute HPLC

CAS No. 64-17-5, C<sub>2</sub>H<sub>5</sub>OH, M.W 46.07 g/mol.

Certificate No.	06112023 001 5268-33	Lab ID.	06112023 001 06112023
Batch No.	NLC 311001	Date Of Analysis.	06 11 2023
Product Code.	5268-33	Specification No.	SP-5268-33
Mfg Date.	11 2023	Exp Date.	10 2025

Test parameter	Unit	Specification	Result
Appearance		Colorless & clear liquid	Colorless & clear liquid
Density @ 25 °C	g/ml	0.790 - 0.796	0.792
Identification		Conforms	Conforms
Miscible with water		Conforms	Complies.
Water (H <sub>2</sub> O) by KF	%	0.10	0.07
TITRATABLE ACID (AS CH <sub>3</sub> COOH)	%	0.001	< 0.001
RESIDUE (EVAPORATION)	%	0.001	< 0.001
UV-TRANSMITTANCE			
AT 210NM	%	≥ 20	34.5
AT 225NM	%	≥ 50	67.4
AT 240NM	%	≥ 80	88.0
AT 260NM	%	≥ 98	98.2
PURITY (GC AREA)	%	99.90	99.99

**Result:** The material complies with the above standard specification.

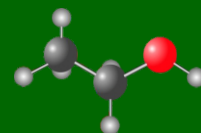
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# Ethanol Absolute Molecular Biology Grade



## Features

- Ultrapure molecular biology grade ethanol used for the purification and precipitation of bio molecules such as nucleic acids and proteins
- Used in histology to prepare staining and de staining reagents and for dehydrating tissues prior to embedding.
- Molecular Biology Grade Ethanol is tested for DNase, RNase, and Protease to ensure absence of these enzymes

## Applications

1. Purification and precipitation of nucleic acids (DNA and RNA) and proteins
2. Preparation of staining and de staining solutions
3. Dehydration of cells and tissues prior to paraffin\ waxembedding
4. Extraction medium
5. Chromatographic reagent

Code	Item Description	Pack Size	Packing	HSN	Price
5268-33	ETHANOL MOLECULAR BIOLOGY (Absolute Alcohol) (Description : Molecular Biology grade ethanol means ethyl alcohol safe for micro biology applications.)	500 ml	HDPE	22071012	4100
		2.5 Ltr	HDPE		POR





## CERTIFICATE OF ANALYSIS

## Ethanol Absolute molecular biology grade

Certificate No.	29052024 001 5268-42	Lab ID.	29052024 001 29052024
Batch No.	NMB405001	Date Of Analysis.	29 05 2024
Product Code.	5268-42	Specification No.	SP-5268-42
Mfg Date.	05 2024	Exp Date.	04/2027

Sr. No.	Test parameter	unit	Specification	Result
1	Appearance		Colorless & clear liquid	Colorless & clear liquid
2	Minimum Assay	% v/v	99.8	99.97
3	Density @ 25 °C	g/ml	0.790 - 0.796	0.793
4	Identification		Conforms	Conforms
5	Miscible with water		Miscible	Miscible
6	Water (H <sub>2</sub> O) by KF	%	0.1	0.07
7	DNases/RNases/Proteases		Should be not detectable	Not detectable
8	Acidity or alkalinity (as CH <sub>3</sub> COOH)	%	(Max) 0.0002	Complies
9	Non-Volatile matter	%	(Max) 0.001	<0.001

**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.

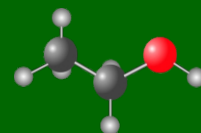
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## LABNOL 99.9%

LABNOL



- Labnol contains NLT 99.9% Ethanol by GC & Water (KF) :0.1%
- Labnol Widely used in Laboratories for basic Analytical applications, Qualitative analysis & Organic synthesis

### Features

- ACS methods are used for analysis of Labnol for Consistent & Accurate results.
- Labnol is manufactured in our state of art facility & packed under controlled environment
- 500ml pack size available at competitive price.



Code	Item Description	Pack Size	Packing	HSN	Price
5268-39	LABNOL 99.9% (Premium Quality Absolute Ethanol For Analysis) (Description : The more purified form (>99.9%) will be sold under the Laboratory Reagent grade.)	500 ml	HDPE	22071012	990
		1 Ltr	HDPE		1750
		5 Ltr	HDPE		8500
		25 Ltr	HDPE		POR
		200 Ltr	HDPE		POR



MSB CHEMICAL LIMITED

CIN No.: U2429MH2019PLC332219

## CERTIFICATE OF ANALYSIS

## LABNOL 99.9%

Certificate No.	17112023 001 5268-39	Lab ID.	17112023 001 17112023
Batch No.	NLR311001	Date Of Analysis.	17 11 2023
Product Code.	5268-39	Specification No.	SP-5268-39
Mfg Date.	11 2023		

Sr. No	Test	Standard	Results
1	Appearance	Clear, colorless, mobile, volatile liquid	Clear, colorless, mobile, volatile liquid
2	Assay (By GC)	≥ 99.9 %	99.92 %
Maximum Impurity (%)			
3	Non-volatile matter	0.001	≤ 0.001
4	Acidity (as H <sup>+</sup> ), mmol/100 g	0.04	≤ 0.04
5	Alkalinity (as OH <sup>-</sup> ), mmol/100 g	0.01	≤ 0.01
6	Miscible with water	Pass	Pass
7	Methanol (CH <sub>3</sub> OH)	0.05	≤ 0.05
8	Iso propyl alcohol (as CH <sub>3</sub> CH(OH)CH <sub>3</sub> )	0.01	≤ 0.01
9	Fuse Oil	Pass	Pass
10	Permanganate reducing substances	Pass	Pass
11	Substances darkened by H <sub>2</sub> SO <sub>4</sub>	Pass	Pass
12	Water (KF)	0.1	≤ 0.1

**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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**NMR  
& EL  
Grade**



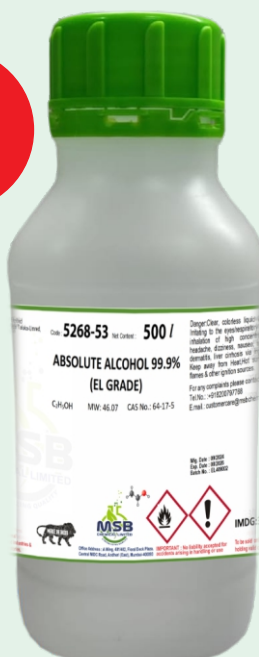
SR NO	PRODUCT NAME	GRADE	PRODUCT CODE	HSN CODE	PACK SIZE	PACKING	MRP
1	ETHANOL ABSOLUTE	NMR GRADE	5268-49	22071012	500 ML 4 Ltr	GLASS BOTTLE GLASS BOTTLE	Rs.5675.00 POR
2	ABSOLUTE ALCOHOL 99.9% (Description : Electronic grade ethanol means ethyl alcohol safe for electronic manufacturing and cleaning.)	EL	5268-53	22071012	500 ML 2.5 LTR	HDPE HDPE	Rs.2900.00 Rs.12800.00

## Application

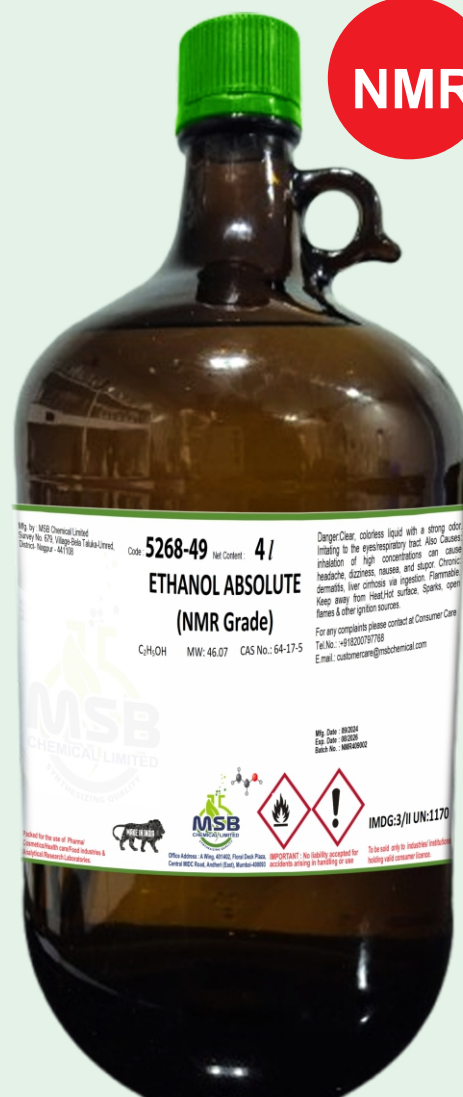
Ethanol has been used as Solvent in NMR analysis.

NMR grade high purity ethanol is tested in-house on a lot-by-lot basis and meets or exceeds the stringent requirements of diverse industries. Our ethanol is produced, processed, and tested under GMP guidelines, ensuring exceptional quality, purity, and consistency

**EL**



**NMR**





## ETHANOL ABSOLUTE (NMR GRADE)

<b>Certificate No.</b>	11092024 001 5268-49	<b>Lab ID.</b>	11092024 001 11092024
<b>Batch No.</b>	NMR409001	<b>Date Of Analysis.</b>	11 09 2024
<b>Product Code.</b>	5268-49	<b>Specification No.</b>	SP-5268-49
<b>Mfg Date.</b>	09 2024	<b>Exp Date</b>	08 2026

Sr. No	Test	Standard	Results
1	Description	Sample should be clear & Colorless liquid, free from extraneous mater	Clear, colorless, mobile, volatile liquid
2	Identification	Compare RT of sample with respective RT of standard	Conforms
3	Purity	NLT 99 %	99.99 %
		Single major impurity should not be more than 0.1 % (Area %)	Conforms
3	Water Content (by KF)	NMT 0.1% w/v	0.095 % w/v
4	Residue Analysis	NMT 2.0 mg /Liter	1.5 mg/ Liter

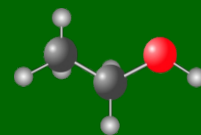
**Result: The material complies with the above standard specification.**

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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**Food grade** ethanol is used as an extraction solvent and carrier system for flavor and bioactive compounds, as an antimicrobial agent, as a flavor enhancer, and as a solvent for research purposes.

**Food grade** ethanol, organic sugarcane ethanol, and organic corn ethanol has numerous applications throughout the food and beverage industries.

**HALAL CERTIFICATE**

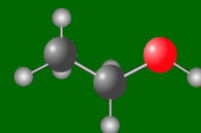
**KOSHER CERTIFICATE**

## Packing available in 500 ml to ISO Tank

### FOOD GRADE

SR NO	PRODUCT NAME	PRODUCT CODE	HSN CODE	PACKING	MRP
1	ABSOLUTE ALCOHOL 75% (FSSAI)	5268-67-75	22071012	HDPE	POR
2	ABSOLUTE ALCOHOL 96% (FSSAI)	5268-67-96	22071012	HDPE	POR
3	ABSOLUTE ALCOHOL >99.5% (FSSAI)	5268-67	22071012	HDPE	POR

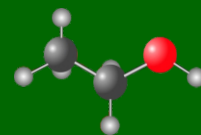




**Packing available in 500 ml to ISO Tank**

PHARMACOPEIAL GRADE					
SR NO	PRODUCT NAME	PRODUCT CODE	HSN CODE	PACKING	MRP
1	ALCOHOL 96% USP	5268-327	22071012	HDPE	POR
2	DEHYDRATED ALCOHOL msbqc >99.5% USP	5268-327-DA	22071012	HDPE	POR
3	ALCOHOL msbqc 96% US -DMF	5268-446-EA	22071012	HDPE	POR
4	DEHYDRATED ALCOHOL msbqc >99.5% US -DMF	5268-446-DA	22071012	HDPE	POR
5	ALCOHOL msbqc 96% Ph. Eur	5268-57	22071012	HDPE	POR
6	ABSOLUTE ALCOHOL msbqc >99.5% IP	5268-97	22071012	HDPE	POR





Perfume  
Grade



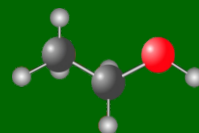
## Ethanol 99% & 96%

Premium quality solvent available with supporting documentation, and secure provenance, from both synthetic and fermentation source. Tested by our in-house laboratory to ensure conformance to the major global pharmacopeia – USP, BP/EP, JP. Absolute alcohol is preferred for applications where moisture control is important.

Pure ethyl alcohol is the best alcohol for perfume making, hands down. Safe for skin and body, natural sustainable organic recipe, simply the best.

Code	Item Description	Pack Size	Packing	HSN	Price
5268-AL96	Ethanol 96% Perfume Grade (COA)	500 ml	HDPE	22071012	POR
		2.5 Ltr	HDPE		POR
5268-AL99	Ethanol 99% Perfume Grade (COA)	500 ml	HDPE	22071012	POR
		2.5 Ltr	HDPE		POR



**Ethanol 96%****Perfume  
Grade****ETHANOL 96% Perfume Grade (COA)**

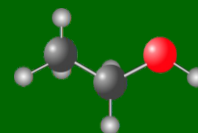
<b>Certificate No.</b>	04092024 001 5268-AL96	<b>Lab ID.</b>	040924 001 04092024
<b>Batch No.</b>	NEAL409001	<b>Date Of Analysis.</b>	04 09 2024
<b>Product Code.</b>	5268-AL96	<b>Specification No.</b>	SP-5268-AL96
<b>Mfg Date.</b>	09 2024	<b>Exp. Date</b>	08 2027
Sr. No	Test	Standard	Results
1	Appearance	It should be Water White	Water White
2	Solubility	Miscible with water and with practically all-organic solvents.	Conforms
3	Odour	Sweet Odour like Grain alcohol	Conforms
4	Alcoholic Strength	Min 96% ( v/v)	96.14 % ( v/v)
5	Density @ 20°C	0.7900 to 0.8022 g / cc	0.7998 g / cc
6	Acetyldehyde	Max 10 ppm	0.5 ppm
7	Ethyl Acetate	Max 1 ppm	ND
8	Acetone	Max 1 ppm	ND
9	Methanol	Max 5 ppm	0. 5 ppm
10	Higher Alcohols	Max 15 ppm	ND
	Iso Butanol	Max 2 ppm	ND
	Iso Amyl Alcohol	Max 2 ppm	ND
	1-Butanol	Max 2 ppm	ND
	Iso Amyl Acetate	Max 2 ppm	ND
	n-Propanol	Max 2 ppm	ND
	Furfural	Max 1 ppm	ND
11	2 Propanol	Max 2 ppm	0.4 ppm
12	2,3 Pentanedione	Max 2 ppm	ND
13	n-Butanol Acetate	Max 2 ppm	ND
14	Methyl Acetate	Max 2 ppm	ND

**Note: ND – Non-Detectible****Result: The material complies with the above standard specification.**

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**Perfume  
Grade**
**ETHANOL 99%****ETHANOL 99 % Perfume Grade (COA)**

<b>Certificate No.</b>	0410202424 002 5268-AL99	<b>Lab ID.</b>	04102024 002 04102024
<b>Batch No.</b>	NEAL410002	<b>Date Of Analysis.</b>	04 10 2024
<b>Product Code.</b>	5268-AL99	<b>Specification No.</b>	SP-5268-AL99
<b>Mfg Date.</b>	10 2024	<b>Exp. Date</b>	09 2027
Sr. No	Test	Standard	Results
1	Appearance	It should be Water White	Water White
2	Solubility	Miscible with water and with practically all-organic solvents.	Conforms
3	Odour	Sweet Odour like alcohol	Conforms
4	Alcoholic Strength	NLT 99 %	99.99 %
5	Density @ 25°C	0.7800 to 0.7900 g / cc	0.7835 g / cc
6	Acetaldehyde	Max 10 ppm	0.7 ppm
7	Ethyl Acetate	Max 1 ppm	ND
8	Acetone	Max 1 ppm	ND
9	Methanol	Max 5 ppm	0.3 ppm
10	Higher Alcohols	Max 15 ppm	ND
	Iso Butanol	Max 2 ppm	ND
	Iso Amyl Alcohol	Max 2 ppm	ND
	1-Butanol	Max 2 ppm	ND
	Iso Amyl Acetate	Max 2 ppm	ND
	n-Propanol	Max 2 ppm	ND
	Furfural	Max 1 ppm	ND
11	2 Propanol	Max 2 ppm	0.5 ppm
12	2,3 Pentanedione	Max 2 ppm	ND
13	n-Butanol Acetate	Max 2 ppm	ND
14	Methyl Acetate	Max 2 ppm	ND

Note: ND – Non-Detectible

**Result: The material complies with the above standard specification.**

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**We also manufacture as per  
customer need.....**

**HOUSE OF  
ETHANOL**



**MSB CHEMICAL LIMITED**

CIN No.: U2429MH2019PLC332219

**ISO 9001 : 2015 Certified**

Regd. Office : A-wing, 401/402, Floral Deck Plaza,  
Central MIDC Road, Andheri (E), Mumbai-400 093  
Tel. : +91-022-46094111

Factory : Survey No. 679, Village-Bela,  
Taluka-Umred, District-Nagpur-441108

Visit us at :  
[www.msbchemical.com](http://www.msbchemical.com)