

MSB CHEMICAL LIMITED

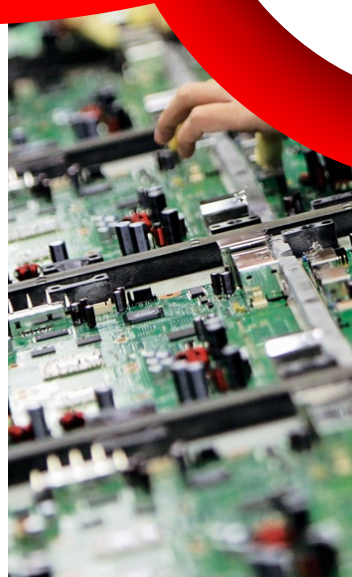
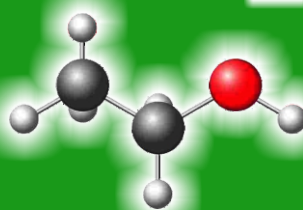
ISO 9001-2015 Certified

FDA, GMP & FSSAI Approved Plant

**HOUSE OF
ETHANOL**

Product List

2025



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export@msbchemical.com
info@msbchemical.com



MSB CHEMICAL LIMITED

ISO 9001-2015 Certified

FDA, GMP & FSSAI Approved Plant

Company Photos



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9)	ABSOLUTE ALCOHOL 99.9% EL	20
	FOOD GRADE	20
10)	ALCOHOL 96% (ODORLESS)	
11)	ABSOLUTE ALCOHOL 75% (FSSAI)	
12)	ABSOLUTE ALCOHOL 96% (FSSAI)	
13)	ABSOLUTE ALCOHOL >99.5% (FSSAI)	
	PHARMACOPEIAL GRADE	21
14)	ALCOHOL USP	
15)	DEHYDRATED ALCOHOL USP	
16)	ALCOHOL US-DMF	
17)	DEHYDRATED ALCOHOL US-DMF	
18)	ETHANOL (96%) PH.EUR	
19)	ETHANOL, ANHYDROUS PH.EUR	
20)	ETHANOL (96%) BP	
21)	ETHANOL BP	
22)	ETHANOL (95%) IP	
23)	ETHANOL IP	
	PERFUME GRADE	22
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 any quality of Ethanol as per customer requirement

HOUSE OF ETHANOL

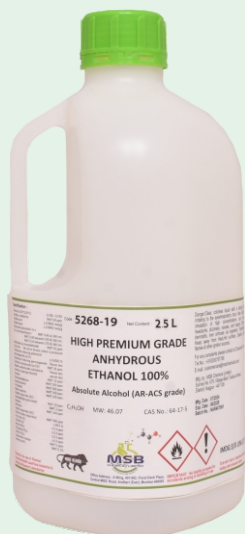
India's first fully indigenous Analytical & Pharmacopeial Grade Ethanol Manufacturing plant

- 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 excipients

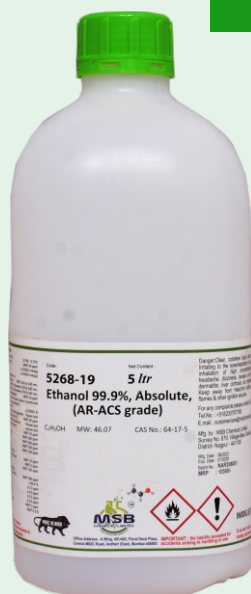




1 Ltr



2.5 Ltr

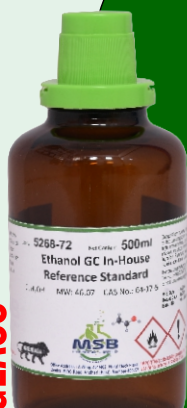


5 Ltr



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

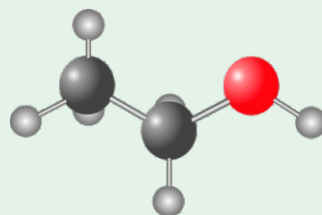


IBC TANK



ISO TANK

100% Absolute Alcohol

AR/ACS


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

High Premium Grade anhydrous Ethanol widely used in critical analytical application quantitative/qualitative 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	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





MSB CHEMICAL LIMITED

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)	≤ 0.3 ppm	≤ 0.3 ppm
29	Phosphate (PO)	≤ 0.3 ppm	≤ 0.3 ppm
30	Sulfate (SO)	≤ 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)

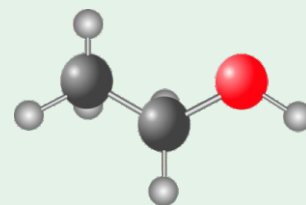
Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit. Unless specified and indicated.

Result: The material complies with the above standard specification.

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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 round the year.

- 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





CERTIFICATE OF ANALYSIS

HIGH PREMIUM GRADE ANHYDROUS ETHANOL 100 %

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	2.1ppm	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 ₃)	≤ 0.3 ppm	≤ 0.3 ppm	61	Zinc (Zn)	≤ 0.1 ppm	≤ 0.1 ppm
30	Phosphate (PO ₄)	≤ 0.3 ppm	≤ 0.3 ppm	62	Zirconium (Zr)	≤ 0.02 ppm	≤ 0.02 ppm
31	Sulfate (SO ₄)	≤ 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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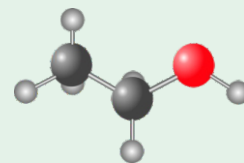


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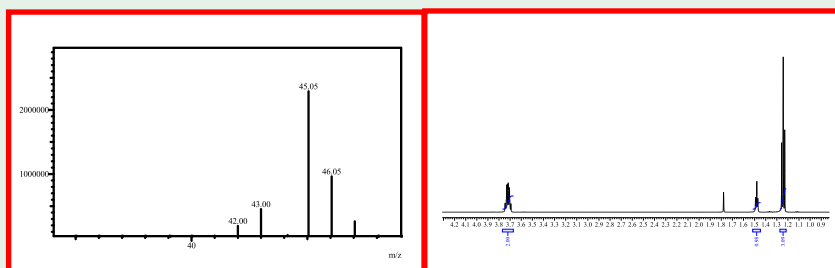
Ethanol GC In-House Reference Standard



Features

**GC
In-House**

- Reliable, accurate analytical results
- Comprehensive application area
- Product are developed specially for highly sophisticated application areas.
- Unmatched batch-to-batch consistency
- Lower analytical costs
- No repeat analyses
- Suitable for pharmacopoeia analysis
- The product is 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	500 ml	GLASS BOTTLE	22071012	4300



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CERTIFICATE OF ANALYSIS



MSB CHEMICAL LIMITED

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.

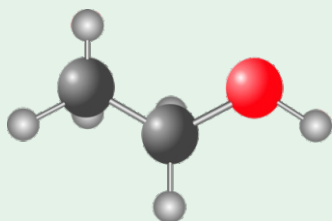
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Ethanol Absolute Gradient Grade for LC



- 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 the user 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



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MSB CHEMICAL LIMITED

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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 ₂ 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

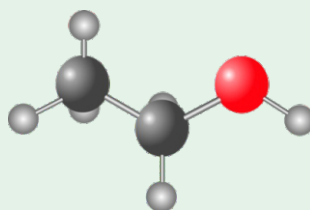
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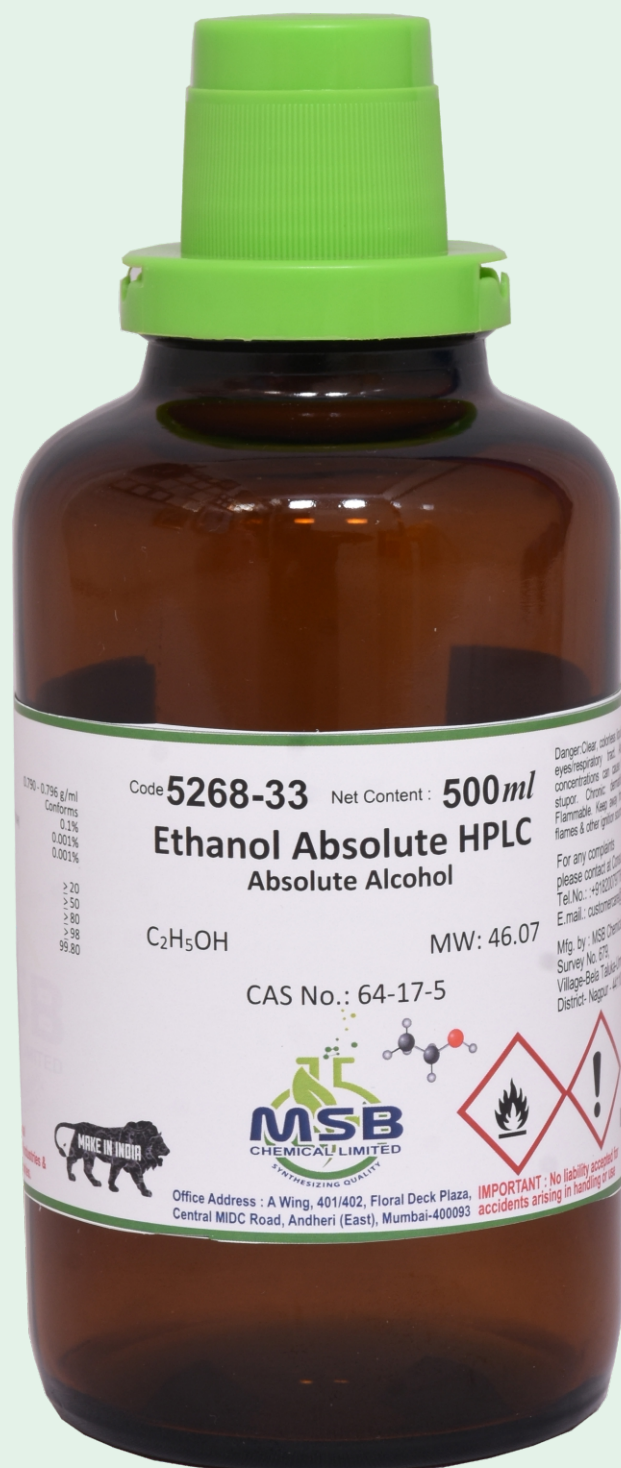
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- High purity Ethanol as a part of MSB Chemical Limited (House of Ethanol) product portfolio to provide complete work flow solution for HPLC, GC & LCMS analysis.
- Manufactured by strictly adhering to Quality Control guidelines, the product is designed to provide consistent, rapid reproducible performance and separation in research and quality control application.
- Product is used to obtain UV transparency for optimum sensitivity.

Code	Item Description	Pack Size	Packing	HSN	Price
5268-33	ETHANOL ABSOLUTE ALCOHOL HPLC ABSOLUTE ALCOHOL	500 ml 2.5 Ltr	GLASS BOTTLE	22071012	4100 POR



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MSB CHEMICAL LIMITED

CERTIFICATE OF ANALYSIS

Ethanol Absolute HPLC

CAS No. 64-17-5, C₂H₅OH, 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 ₂ O) by KF	%	0.10	0.07
TITRATABLE ACID (AS CH ₃ 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

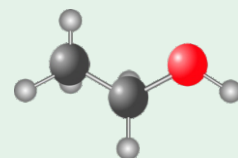
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Features



- 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 destaining solutions
3. Dehydration of cells and tissues prior to paraffin\ wax embedding
4. Extraction medium
5. Chromatographic reagent

Code	Item Description	Pack Size	Packing	HSN	Price
5268-33	ETHANOL MOLECULAR BIOLOGY (Absolute Alcohol)	500 ml 2.5 Ltr	HDPE HDPE	22071012	4100 POR



CERTIFICATE OF ANALYSIS

MSB CHEMICAL LIMITED

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 (H2O) by KF		%	0.1		0.07	
7	DNases/RNases/Proteases			Should be not detectable		Not detectable	
8	Acidity or alkalinity (as CH3COOH)		%	(Max) 0.0002		Complies	
9	Non-Volatile matter		%	(Max) 0.001		<0.001	

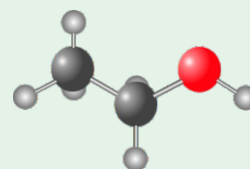
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- Labnol contains NLT 99.9% Ethanol by GC & Water (KF) :0.1%
- Labnol Widely used in Laboratories for basic Analytical applications, Qualitative analysis & Organic synthesis

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)	500 ml	HDPE	22071012	990
		1 Ltr	HDPE		1750
		5 Ltr	HDPE		8500
		25 Ltr	HDPE		POR
		200 Ltr	HDPE		POR



CERTIFICATE OF ANALYSIS

MSB CHEMICAL LIMITED

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 ⁺), mmol/100 g	0.04	≤ 0.04
5	Alkalinity (as OH ⁻), mmol/100 g	0.01	≤ 0.01
6	Miscible with water	Pass	Pass
7	Methanol (CH ₃ OH)	0.05	≤ 0.05
8	Iso propyl alcohol (as CH ₃ CH(OH)CH ₃)	0.01	≤ 0.01
9	Fuse Oil	Pass	Pass
10	Permanganate reducing substances	Pass	Pass
11	Substances darkened by H ₂ SO ₄	Pass	Pass
12	Water (KF)	0.1	≤ 0.1

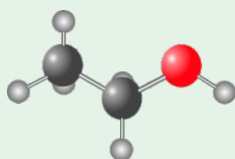
Result: The material complies with the above standard specification.

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**

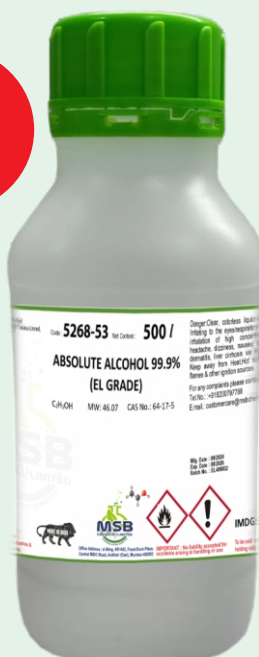
SR NO	PRODUCT NAME	GRADE	PRODUCT CODE	HSN CODE	PACK SIZE	PACKING	MRP
1	ETHANOL ABSOLUTE	NMR GRADE	5268-49	22071012	500 ML	GLASS BOTTLE	Rs.5675.00
					4 Ltr	GLASS BOTTLE	POR
2	ABSOLUTE ALCOHOL 99.9%	EL	5268-53	22071012	500 ML	HDPE	Rs.2900.00
					2.5 LTR	HDPE	Rs.12800.00

Application

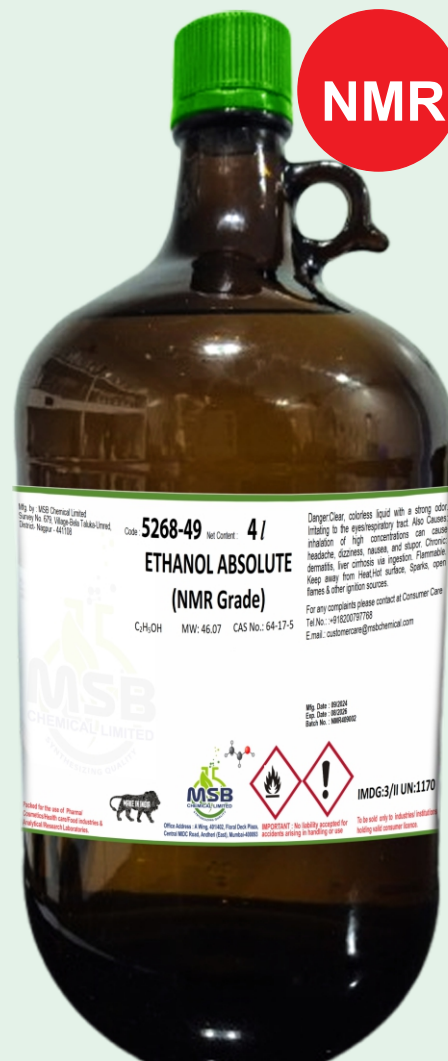
The Product is used as Solvent in NMR analysis.

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



CERTIFICATE OF ANALYSIS

MSB CHEMICAL LIMITED

CERTIFICATE OF ANALYSIS

**ETHANOL ABSOLUTE
(NMR GRADE)**

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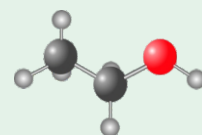


MSB CHEMICAL LIMITED

ISO 9001-2015 Certified

FDA, GMP & FSSAI Approved Plant

FOOD GRADE



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

Food grade ethanol, product from sugarcane and grain 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



Visit us at :
www.msbchemical.com

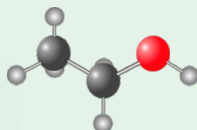


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PHARMA GRADE



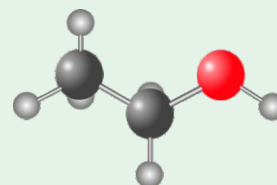
Packing available in 500 ml to ISO Tank

PHARMACOPICIAL GRADE

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



**Visit us at :
www.msbchemical.com**



Premium quality solvent available with supporting documentation, and secure provenance, from sugarcane and grain the natural sources 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	500 ml	HDPE	22071012	POR
		2.5 Ltr	HDPE		POR
5268-AL99	Ethanol 99% Perfume Grade	500 ml	HDPE	22071012	POR
		2.5 Ltr	HDPE		POR

CERTIFICATE OF ANALYSIS
MSB CHEMICAL LIMITED
CERTIFICATE OF ANALYSIS
ETHANOL 96% Perfume Grade (COA)

Certificate No.	04092024 001 5268-AL96	Lab ID.	040924 001 04092024
Batch No.	NEAL409001	Date Of Analysis.	04 09 2024
Product Code.	5268-AL96	Specification No.	SP-5268-AL96
Mfg Date.	09 2024	Exp. Date	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.

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. This certificate shall not be reproduced except in full, without written consent of the MSB Chemical Limited.

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CERTIFICATE OF ANALYSIS

MSB CHEMICAL LIMITED

CERTIFICATE OF ANALYSIS

ETHANOL 99 % Perfume Grade (COA)

Certificate No.	0410202424 002 5268-AL99	Lab ID.	04102024 002 04102024
Batch No.	NEAL410002	Date Of Analysis.	04 10 2024
Product Code.	5268-AL99	Specification No.	SP-5268-AL99
Mfg Date.	10 2024	Exp. Date	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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FDA, GMP & FSSAI Approved Plant

CERTIFICATE

FDA CERTIFICATE

Food & Drugs Administration (Maharashtra State)
Letter No:MH/NG1/PRP/1110167
Food & Drugs Administration NAGPUR Division
Office of the Joint Commission
Civil Lines
NAGPUR - 440002

Additional Product Permission

707010 MSB CHEMICAL LIMITED
SURVEY NO. 679, VILLAGE BELA, TALUKA UMRED, NAGPUR, SURVEY NO. 679, BELA - 441108
Taluka: Umred, District: NAGPUR ZONE 1

PERMISSION No : 1110167
Dt : 07/08/2023

Ref :- Your Inward Application vide Inward ID :- 238146 Dated :- 31/07/2023
With reference to your Inward application, we have to inform you that your said application is considered following **PRODUCTS PERMISSION** have been granted, under the following **LICENSES**.

Type	Form	LIC No / Validity	First Issue / Rnw
Own: At my OWN Manufacturing Premises	25	MH/105276 12/07/2023	13/07/2023 13/07/2023

Prod	Name of Drugs	Domestic (USP)
1. 886676	ALCOHOL USP CONTAINS: - ETHANOL NLT 94.9 % to NMT 96.0 % USP (% V/V)	Domestic (USP)
2. 886675	DEHYDRATED ALCOHOL USP CONTAINS: - ETHANOL NLT 99.5 % USP (% V/V)	Domestic (USP)
3. 886672	ETHANOL 95% IP CONTAINS: - ETHANOL NLT 94.0% to NMT 96.0% IP (% V/V)	Domestic (IP)
4. 886674	ETHANOL 96% BP CONTAINS: - ETHANOL NLT 95.1 % to NMT 96.9 % BP (% V/V)	Domestic (BP)
5. 886673	ETHANOL JP CONTAINS: - ETHANOL NLT 95.1 % to NMT 96.9 % JP (% V/V)	Domestic (JP)
6. 886671	ETHANOL 96% EP/IPh.Eur CONTAINS: - ETHANOL NLT 95.1 % to NMT 96.9 % EP (% V/V)	Domestic (EP)

Terms and Conditions

- Licensee should comply with all the provisions of Drugs & Cosmetics Act, 1940 & Rules 1945 as amended up to dt (where applicable).
- Licensee should comply with all the provisions of Drugs (Price Control) Order 2013 as amended up to dt (where applicable).
- Licensee should abide by all the provisions of Drugs & Magic Remedies (Objectionable Advertisement) Act, 1954 as amended up to date.
- Licensee should not manufacture any drug/cosmetic by a name belonging to another manufacturer.
- Licensee should not manufacture or sell drugs/cosmetics even if it is included in the approved list of product, as and when banned by Licensing Authority or Drugs Controller General of India or Government of India.
- The permission is granted subject to the condition that, the product is safe, for use in context of pharmaceutical Additions and excipient used in the formulation.
- Any addition thereto or any deletion therefore will not be carried out without permission of Licensing Authority.

Sign
Digitally Signed
VIRAJ TUKARAM PAUNIKAR
e-Signed on 07-08-2023 18:42
TPAV 9 WIG7AIGBL3

V.T. Paunikar
State Licensing Authority
Food & Drugs Administration
NAGPUR Division Maharashtra State

Fee Payment(s) DB-Id: 480829 - 31/07/2023 (Amt: 8250) (application for additional products permission) COL-Colour, FLV-Flavour, PRV-Preservative, REA-Res

Division	MFG ID No	Type: Additional Product Permission	PERMISSION No	Issue Date
NAGPUR (NG1)	707010	PRP-23814631/07/2023	1110167	07/08/2023

HOUSE OF ETHANOL



FSSAI CERTIFICATE

Form C
Government of India
Food Safety and Standards Authority of India
License under FSS Act, 2006

अनुज्ञति संख्या / License Number: **11523999000425**

1. Name & Registered Office address of Licensee / अनुज्ञतिप्राप्त के पंजीकृत कार्यालय का नाम और पता: MSB Chemical Limited
A Wing, 402, Floral Deck plaza, Prem Co Op Soc Ltd Central MIDC Road, Seepz Vidyanaigari Mumbai 400098, Greater Mumbai, Maharashtra-400098

2. Address of Authorized Premises / प्राधिकृत परिसर का पता: Survey No. 679, Village Bela, Taluka Umred, District Nagpur, Maharashtra, Nagpur (Rural), Nagpur, Maharashtra-441108

3. Kind of Business / कारोबार का प्रकार: Manufacturer - Substances Added to Food

4. Dairy Business Details / डेयरी कारोबार विवरण हेतु: No

5. Category of License / अनुज्ञति का वर्ग: **Central License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee. / यह अनुज्ञति खाद्य संस्कार और मानक अधिनियम, 2006 के अंतर्गत अनुज्ञति की गई है और यह अधिनियम के उपबन्धों के अन्वये अनुज्ञतिप्राप्त द्वारा अवश्य पालन किया जाना चाहिए.

Place / स्थान: FSSAI Mumbai
Issued On / दिनांक: 01-12-2024 (Modified License)
Valid Upto / वैधता: 18-10-2027 (For details, refer Annexure)

Designated Officer
Date: 01-12-2024 19:32:06
User Id: 107881
Verified through Mobile: 90XXXXXX82
License Issued On: 01-12-2024 19:32:06

Annexures:
1. [Product Annexure](#)
2. [Validity Annexure](#)
3. [Non-Form C Annexure](#)
4. [Conditions Of License](#)

Note:
1. Application for renewal of License can be filed as early as 180 days prior to expiry date of License. You can file application for renewal or modification of License by login into FSSAI's Food Safety Compliance System (<https://foscos.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
2. This License is only to commence or carry on food businesses and not for any other purpose.
3. This is computer generated license and doesn't require any signature or stamp by authority.



**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

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