



AYTAS

Tarım Ürünleri San. Tic. A.Ş.

ETHANOL

C₂H₅-OH

Product List

Ethanol (In Bulk)
Ethanol (In 1000 liters IBC)
Ethanol (230 liters Drums)
Ethanol 96% ENA Wheat
Ethanol 96% ENA Sugarcane
Ethanol 96% ENA Corn
Ethanol 96% Pharmaceutical
Ethanol 99% Fuel
Ethanol 99% Industrial
Ethanol 96% Medical
Ethanol 95% Raw A
Denatured Ethanol
Specially Denatured Ethanol
1, 5, 20 liters Medical Ethanol
4 liters Fuel Ethanol
Base Perfume
Bulk Perfume & Cologne
SecreenWash Concentrate
Bulk Antifreeze Concentrate
Bulk Mosquito Repellent
Bulk Alcohol Based Products
Ethanol Based Chafing Fuel

↓↓ This Brochure is Online ↓↓



Our Export Videos are available at

 aytashethanol  aytashethanol



**EXPORT
INFORMATION
BROCHURE**

Product Web Pages;
Ethanol
Medical Ethanol
Fuel Ethanol
Chafing Dish Fuel
Base Perfume

ethanol.aytash.com
medical.aytash.com
fuel.aytash.com
fuelpaste.aytash.com
baseperfume.aytash.com

members of



Aytas Head Office

Aytas's head office is in Alsancak, Izmir, Turkey (Between Swiss Hotel and Hilton Hotel). Head office is working for imports to Turkish market and company's financial works. The offices are Aytas's own property.



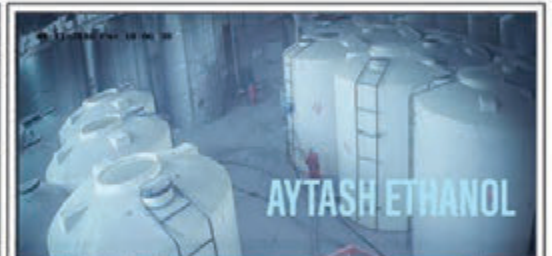
Aytas Izmir Ataturk Industry Zone Factory

We built Aytas Izmir Ataturk Industry Zone Factory for storage of Ethanol and manufacturing some products. However due of the high volume of ethanol trading, we prefer to storage at tank terminals at ports. The factory is Aytas's own property.



Aytas Aegean Free Zone Factory

At Aytas Aegean Free Zone Factory, we do storage and denaturizing Ethanols with the advantages of the free zone. Our factory's area is 2620 sqm covered totally 3800sqm. We do special denaturing and manufacturing concentrate screenwash, base perfume, 5 liters medical ethanol, concentrate antifreeze etc. Aytas AFZ factory main job is the exporting ethanols with the advantages of teh free zones. AFZ Factory building is Aytas's own property.



Ethanol (Ethyl Alcohol)

Aytas is the first official Ethanol importer and trader company in Turkey. Aytas's main product is Ethanol. Aytas is the registered ethanol trader company by Turkish Alcohol & Tobacco Market Inspection Department (TAPDK). Ethanol's other names are Ethyl Alcohol, Ethylic Alcohol. Ethanol has mainly 2 types. Technical (Synthetic) origin and Agricultural (Wheat, Molasses of Sugarcane, Molasses of Sugarbeet, Corn, Grape etc.) origin. Agricultural origin ethanol have also 3 types. Denatured, Neutral and Extra Neutral. Extra Neutral Ethanol's mostly usage industry is the Alcoholic Beverages, Medical, Cosmetic and Vinager Industry. Denatured Ethanol's usage industry is mostly Cosmetic, Chemical, Eau de Cologne, Perfume, Detergent and Ink industry. The Extra Neutral alcohol or ENA is a high quality distilled alcohol without any impurities and others destinated to be used in the high cosmetic industry, perfumeries as well as for the production of alcoholic beverages such as whisky, vodka, gin, cane, liqueurs and alcoholic fruit beverages and aperitifs.

We mostly denaturing ethanol with Denatonium Benzoate (Bitrex) and Tertiary Butanol (TBA). However if you want special formulary then *we can denature with your special denaturing formulary*. For instance we can manufacture in bulk semi finished goods like as Base Perfume, Concentrate Screenwash, Concentrate Anti-freeze. Companies prefer to buy denatured Ethanol because it's tax is less lower than Neutral Fermentation Ethanol. If Denatured and Neutral Ethanol taxes are same in your country then you don't need to buy denatured Ethanol, you can use Neutral Ethanol for all industry. By the adding water and we can decrease Ethanol's alcohol volume to 70% and we can export with the 22.08.90 tariff code which is says under 80% of ethanol content tariff code. For some of the medical and disenfectant applications again it is possible to decrease Ethanol's volume to 70% or other volumes. In our plants we always have Ethanol in our stocks. All the specs, MSDS, analysis reports are available at www.aytash.com

Ethanol in 1000 liters IBC export photos



Ethanol in 220 liters Big Lid Plastic Drums



Confirms and manufactured by the permit of the ministry of agriculture and rural affairs



220 liters

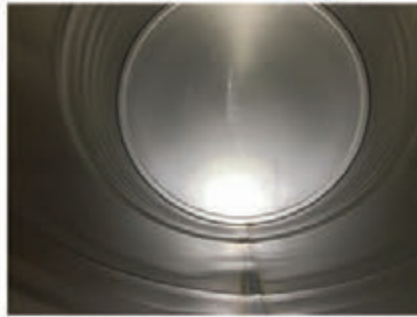


Food grade drums for loading food stuffs

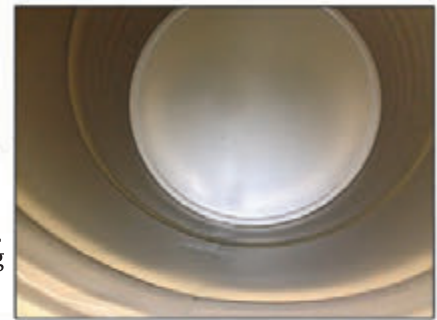




Ethanol in 220 liters Steel Drums



Drums are new and all tests done like as leaking and rust. We tested ethanol inside unlacquered drums, we keep it in un lacquered drums in min 6 months and we didn't see any rust. If you want to storage ethanol in drums more than 6 months or years than we can do special lacquer inside drums.



For Iraq and like as other countries
 SGS COC available upon request.

Other option is the lacquered steel drums. It lacquered by dupont lacques which is the confirms ethanol loading. The Lacquer which is used for lacking in drums is Dupont R78433.





Ethanol in 230 liters Small Lid Plastic Drums



Products - Ethanol (Ethyl Alcohol)
<http://ethanol.aytash.com>



Other option is the 20 and the 1 liters or smaller packed versions. 20 liters versions has valve inside cap for discharge ethanol.



Electronic Cargo Tracking Note (e-CTN)

CCC

Min. Çarşı & Çarşılar Eyaletleri
 Başbakanlık Çarşılar ve Eyaletleri
 Başbakanlık Çarşılar ve Eyaletleri

Specimen

This document has no actual value

Specimen

This document has no actual value

Inspector or Consignor:	Bill of Lading No:
Forwarder:	Number:
Shipper:	Value of goods:
Yenit:	Registration No:
Carrier:	Discharging Port:
Place of Origin:	Date:
Final Destination:	AGENT CCC:

Report No. VG-372618 10th December, 2018

CERTIFICATE OF INSPECTION

This is to certify that at the request of Mesur AYTAS TARIM URUNLERI SANAYI VE TIC.A.S. the surveyor appointed by VITSAN GÖZETİM MÜHÜRLEME VE TIC.A.Ş., İstanbul/TURKEY, attended at Ege Province Customs / İZMİR for the purpose of carrying out sampling and analysis of below detailed product.

Applicant : Aytas Tarım Ürünleri Sanayi ve Ticaret A.Ş.
 Product : Ethyl Alcohol
 Sample Origin : 5 Lt. plastic drum
 Standard of Sampling : TSE 990-1 ISO EN 3170
 Place of Inspection : Ege Province Customs / İZMİR
 Date of Inspection : 07.12.2018
 Quantity of Drawn Samples : Analysis 1 x 1 Lt. / Retain 1 x 1 Lt.
 Lab Report No : VL-237379

Our surveyor has drawn samples from the above detailed product and the drawn samples were analysed at Vitsan Gözetim Mühürleme ve Tic. A.Ş. The following results were ascertained:

Test	Method	Unit	Specific value	Result
Distilled at 78°C in air	ASTM D-4852	%vol	Min.99.8	99.8
Alcohol Content	IC 4252683(1)	%vol	Min.99.8	99.8
Color and odor Characteristics	IC 4252683(2)	Collective and Sample	Collective and Sample	Collective and Sample
Permeation/Leaking Test	IC 4252683(3)	ml/m ² day	Max.18	18
Acidity, as Acetic Acid	IC 4252683(4)	ml/g	Max.0.1	<0.1
Higher Alcohols, as n-Propyl Alcohol	IC 4252683(5)	ml/g	Max.0.3	<0.1
Total Acidity, as Acetic acid	IC 4252683(6)	ml/g	Max.1.3	0.38
Esters as Ethyl Acetate	IC 4252683(7)	ml/g	Max.1.3	<0.1
Volatiles Nitrogen bases, as N	IC 4252683(8)	ml/g	Max.0.1	<0.01
Formaldehyde	IC 4252683(9)	ml/g	Max.50	<0.3
Residual (within 20 minutes)	IC 4252683(10)	ml/g	Max.0.3	0.38
UV Test	770 nm	Optical Density	Max.0.02	0.010
UV Test	270 nm	Optical Density	Max.0.18	0.140
Dry Residue	170 nm	ml/g	Max.0.30	0.270
Calc.Carbonate	IC 4252683(11)	ml/g	Max.0.3	0.3
Calc.Carbonate	IC 4252683(12)	ml/g	Max.0.3	0.38

*** According to C17 Custom test result sample is found to be agricultural origin Specification according to IS 1519/EC 620 2005

PRE-IMPORTATION INSPECTION, TESTING & CERTIFICATION PROGRAM OF GOODS TO IRAQ, KURDISTAN REGION (ICIG)

Statement of Registration (SoR)

Beneficiary (name & address):
 AYTAS TARIM URUNLERI SANAYI VE TICARET A.S.
 KURDISTAN BÖLGE İZMİR İNCELEME VE DENETİM MERKEZİ
 İZMİR, KURDISTAN BÖLGE, TÜRKİYE

Product Description: ETHYL ALCOHOL, 95% VOL, 5 LITERS PLASTIC DRUM

Country of Origin: Turkey

Standard Reference: IS 1519/EC 620 2005

Expiry Date: 07.12.2018

Issuing Office (ICE Office): İZMİR SUPERİOR CUSTOMS CONTROL BUREAU S.A.S. Turkey / Izmir / Turkey

Authorized Signatory: İsmail KEMAL

Signature: [Signature]

Date: 07.12.2018

Official Stamp: [Stamp]

This document is not a Certificate of Conformity and does not discharge importer from their contractual obligations in relation to quality and quantity of the goods referred to herein. See also discharge for importer or the importer from certifying of their rights and discharging of their liabilities under the Customs of Turkey. Dispositions in this country are made according to SGS.

This document does not constitute the alignment and is subject to the applicable General Conditions for Product Conformity Assessment Services available in the following link: <http://www.sgs.com/Products/Services/Pre-Importation-Inspection-Testing-and-Certification-Program-for-Goods-to-Iraq-Kurdistan-Region>

SGS logo and signature.

**Special Denatured Ethanol - Base Perfume - Concentrate Screenwash - Concentrate Antifreeze
Concentrate MouthWash - Concentrate Mosquito Repellent - Concentrate Ethanol Bases Products**

By advantages of the freezone, Aytas has the capability to take costum make orders, like as TSDA3, SDA40. Our freezone location allows us to take special orders for our costumers, like as Base Perfume, Concentrate Screen wash and Concentrate Antifreeze, Mosquito Repellent. We do manufacturing ethanol based products which means that ethanol content has more than 50%. All the products can be bottled or bulk and private labelled. Like as Insect Repellent, Eau De Lemon Cologne, Bulk Perfume, Concentrate Antifreeze, Concentrate Screenwash and like as these products which contains more than 50% of Ethanol.

Base perfume is a semi finished product and a raw material of manufacturing perfume. It's manufacturing process is the same as with perfume. Forexample 1000 liters Ethanol 96% mixture with 5 kgs fragrance. While manufacturing base perfume we can use your special fragrance and formula. By buying base perfume instead of ethanol, you can get the advantages listed below,

- * Product Name changes as Base Perfume (Ethanol -> Base Perfume)
- * Country of origin changes as Turkey. (Any country -> Turkey)
- * It's UN number changes as Base Perfume's codes. (UN1170 -> UN1266)
- * Custom tariff number changes as Base Perfume's codes. (22.07.10 -> 33.03.00 or 33.02.90)
- * By the Base Perfume codes transport fee will be less expensive than Ethanol transportation. For international and transit shipment, costumers don't need the bank guarantee and watchmen. TIR Carnet is sufficient for international transportation.

* This way provides lower taxes at your costumers with importing Base Perfume costum tariff numbers.

Concentrate Screenwash and Concentrate Antifreeze is a semi finished and raw material of antifreeze and antifreeze screenwash for vehicles. For example, it is a 1000 liters Ethanol mixture with lower content of water and screenwash raw material chemicals mixture. It contains Ethyl Acetate, Bitrex, Color, Non Ionic Active Surface Agent, Water, Ethanol, Perfume. It has the same advantages with the Base Perfume, only it's costum tariff code changes to 38.20.00

Concentrate Fly and Mosquito Repellent is the one other product we offer to manufacture in bulk or private labelled in 100cc bottles. It's formula is Ethanol and DEET mixture. We can manufacture it with your private percentage of formula.



1. 50cc Mosquito Repellent
2. 80cc Ethanol Solution
3. 1 liter Medical Ethanol
4. 4 liters Fuel Ethanol
5. 5 liters Medical Ethanol
6. 10 liters Ethnaol
7. 20 liters Ethanol



Ethanol based Chef's Dish Fuel - Chafing Fuel - Ethanol Gel

Aytas was the manufacturer of ethanol based chafing dish fuels. In the past we exported to the most of the European countries with their own private labels. We are only manufacturing our gels from Ethanol (Not mixing with methanol). Chafing fuels are mostly used for catering, restaurants, camping, military, fireplace purposes. More details about our chafing fuel can be found at www.fuelpaste.com, for MSDS and other documents please visit www.aytash.com



AYTAS FUELPASTE ETHANOL CHAFING FUEL DOES NOT CONTAINS METHANOL OR OTHERS

AYTAS FUELPASTE ETHANOL CHAFING FUEL CONTAINS 85% ETHANOL BY VOLUME

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS		
Ingredients	CAS Nos.	% By Weight
Ethanol	64-17-5	72
Methanol	67-56-1	3,3

Section 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPOSITION	CAS RN.	WT/WTS	TLV (MITS)
Ethanol	64-17-5	70,0	1000 PPM
Methanol	67-56-1	2,75	200 PPM (skin)
Acetone	67-64-1	2,0	1000 PPM
Denatonium Benzoate	3734-33-6	Trace	

OSHA REGULATED COMPONENTS (personal protection) at 10%:

Component	CAS #	%	TLV
Ethanol	64-17-5	4,7	1000 ppm
Methanol	67-56-1	3,4	200 ppm

HEALTH & SAFETY REACTIVITY 0

SECTION 2 - COMPOSITION/INFORMATION OF INGREDIENTS					
COMPOSITION	CAS NO	WT%	TLV (MITS)	INDEX	OTHERS
Ethanol	64-17-5	70	1000 ppm	200	1000

SECTION 3 - PHYSICAL CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOUR: Transparent colorless solid gel, alcohol odor

SPECIFIC GRAVITY (20/4): 0,837 g/ml at 20°C (68°F)

	Methanol Chafing Fuel	Other Ethanol Chafing Fuel	Aytas Fuelpaste Ethanol Chafing Fuel
Toxilogy?	Toxic	A little bit Toxic	No Toxic
Contains other solvents?	Contains Methanol (1)	Contains a little bit Methanol/Acetone (2)	Contains just only Ethanol
Indoor usage?	Outdoor Use Only	Indoor & Outdoor Use	Indoor & Outdoor Use
It's smell?	Bad odour smell	A little bit bad odour smell	Nothing
Ethanol content by volume?	% 70-75 Methanol	% 67-72 Ethanol % 3-5 Methanol / Acetone	% 82-85 Ethanol (3)
Contains other chemicals in ethanol?	Methanol is already toxic	May contains toxic Methanol, Denatonium benzoate and Tertiary butanol (2)	Nothing (4)
Density	~ 0,850	~ 0,850	~ 0,837
Weight	You have to test it to get real weight!	You have to test it to get real weight!	NET: 160 gr GROSS: 215 gr
Water content	~ 25%	~ 25%	~ 15%
Burning time	2 - 2,5 hours	2 - 2,5 hours	2 - 2,5 hours
Safety level	Safety 3	Safety 2	Safety 1

(1) A little bit methanol can enough to cause blind if somebody eats. A little bit methanol enough to raise toxicity level, not good to smell vapour.

(2) Please look your product's MSDS. If it manufactured from mixed ethanol you can understand it by it's bad odour smell too.

(3) Aytas Ethanol Chafing formulary and raw materials are different then others.

(4) Our factory is at freezone, by the freezone advantage we are manufacturing from neutral (undenatured) ethanol.

Some Of Other Chemicals we trade...

- Denatonium Benzoate
- Tertiary Butanol (TBA)
- Triisopropanolamine (TIPA)
- CarboxyVinylPolymer (Carbomer)



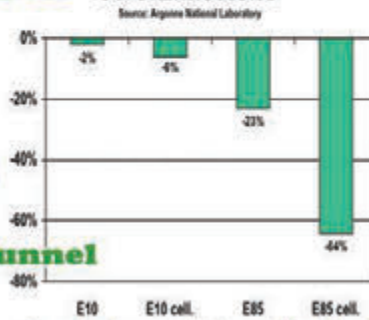


4 Liters Fuel Ethanol based Octane Booster

The Ethanol used in Freeman's Ethanol, corresponds European Biofuel Bioethanol Standards Norm EN 15376. 4 liters Fuel Ethanol's plastic can manufactured from high quality PE HD. The plastic jerrycan Alimuminium Sealed Foiled and has special funnel. The sticker can be privately labelled to your needs or details can be added as you wish. Increases octone of the gasoline. Dont use at diesel engines. Elemi-nates the water which is in gasoline. Increases the horsepower of engine. Use in modern gasoline engines and running by injection. While adding gasoline fuel tank you must not exceed 20% of gasoline which it has in fuel tank. Before using this product please read your vehicle's owner manual. Product's analysis reports are at fuel.aytash.com



Ethanol Blends Significantly Reduce GHG Emissions

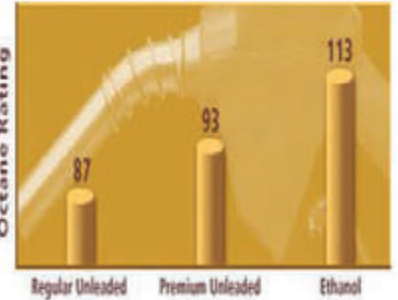


Fuels Containing Alcohol

Some conventional fuels blended with alcohol are available in some locales to help reduce emissions to meet clean air standards. If you plan to use blended fuel, check that it is unleaded and meets the minimum octane rating requirement.

The following fuel blends can be used in your motorcycle:

- Ethanol (ethyl alcohol) 20% by volume (max).
- Petrol containing ethanol may be marketed under the name Gasohol.



NOTICE

Use of blended fuels containing higher than approved percentages can damage metal, rubber, plastic parts of your fuel system.

If you notice any undesirable operating symptoms or performance problems, try a different brand of petrol.

IMPORTANT: Before using this product, please read your vehicle's owner manual. For example NC700 series Honda motorcycles accepts maximum 20% of ethanol blending.

Why the ethanol blended fuels are more powerful? Because at Europe standard gasoline has 93-95 octane rating and ethanol has 113 octane rating. If you mix your gasoline with 20% Ethanol Octane Booster then you will get $(95 \times 0,80) + (113 \times 0,20) = 98,6$ Octane rating. Turkish users: Turkish gasoline fuels already blended with 3% of ethanol so you must not exceed 17%. Other country users: Please check your country's gasoline regulations that do they already blended or not.



5 Liters Medical Ethanol

Aytas is the first official Ethanol importer and trader company in Turkey. Aytas's main product is Ethanol, and manufacturer of medical ethanol. Mostly we export in 5 liters but we have 100cc, 1 liters, 10 liters, 20 liters, 50 liters versions too. Aytas is the registered ethanol trader company by Turkish Alcohol & Tobacco Market Inspection Department (TAPDK).

The Ethanol used in Freeman's Ethanol, corresponds EU EC 110/2008 and Turkish TS1810 Quality Standarts. 5 liters Medical Ethanol plastic can manufactured from high quality 240gr. PE HD. The plastic can has also Child Resistant Cap and Alimunium Sealed Foiled. The sticker can be privately labelled to your needs or your details can be added as you wish. The ethanol used in manufacturing is Ethanol 96% Non Bad Smell Extra Neutral Alcohol. Analysis reports are available at medical.aytash.com



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Our Export Videos are available at

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Exporter of
ETHANOL
& Manufacturer of
ETHANOL BASED PRODUCTS

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