

Introducing Ultra Modern Manufacturing plant for World- Class DEF



Reduce NOx
Pollutions



Lower Particulates
Emissions



Enhance Fuel
Milage



Reduces Harmful
Emissions



Non Flammable
Liquid

AQUADEFTM
Ultra Premium Diesel Exhaust Fluid

MEETS ISO 22241 QUALITY STANDARDS



AQUADEFTM

AQUADEF AUTOSOLV LLP

High-Performance DEF Solution for BS4 to BS6 Vehicles.

www.aquadef.com



About AQUADEF

At AQUADEF, a prestigious name in Diesel Exhaust Fluid (DEF) manufacturing, we are driven by a commitment to excellence and adherence to the highest standards. Our products are crafted in accordance with the rigorous IS & API Specifications in India, making us a distinguished provider in the industry. AQUADEF is a proud offering from Aquadef Autochem LLP, a name synonymous with quality and trust.

Our production facility is a testament to our dedication to quality. It is a climate-controlled, state-of-the-art environment where the AQUADEF Diesel Exhaust Fluid's Solutionizing Plant operates. Here, we maintain complete contaminant control at every stage of production, ensuring that each batch of DEF we produce meets our stringent quality criteria.

What sets AQUADEF apart in the DEF market is our use of highly purified technical-grade urea and ultra de-mineralized water. These ingredients are processed under clean and controlled conditions, with a stringent quality control system overseeing every aspect of production. This meticulous approach guarantees that our Diesel Exhaust Fluid is not only effective but also consistent in its quality and performance.

At AQUADEF, we don't just manufacture DEF; we create a product that upholds the highest standards of purity and efficiency, reflecting our dedication to environmental responsibility and our commitment to our customers.

Precision in Every Drop, Quality in
Every Batch.

www.aquadef.com



Our Mission

At AQUADEF, our mission is to empower the Indian logistic supply chain with superior Diesel Exhaust Fluid (DEF) products and solutions. We are dedicated to delivering high-quality DEF, complemented by a service that is both reliable and trustworthy. Our commitment to customer-centric values has established us as the preferred supplier for a diverse range of organizations. We specialize in servicing high-frequency, multi-site operations, including national resellers, leading mining companies, and major transport companies. Our goal is to continuously meet and exceed the expectations of these varied sectors, ensuring that their operations run smoothly and efficiently with our top-tier DEF products.

Our Vision

Our vision is to be at the forefront of environmental sustainability in the transportation and logistics industry. We aspire to lead the way in eco-friendly solutions, setting new standards in DEF manufacturing and supply. By innovating and improving our products and services, we aim to contribute significantly to a cleaner, greener future. Our vision encompasses not just excellence in product quality but also in fostering a culture of environmental responsibility, both within our organization and among our clients. Through our efforts, we envision a future where the logistics and transportation sectors operate in harmony with the environment, powered by AQUADEF's commitment to quality and ecological sustainability.












Tailored Packaging for Every Demand.

www.aquadef.com



Benchmarking for Quality



BENCHMARKING PARAMETERS			OMC / OEM DEF BRANDS	LOCAL MINI PLANTS / ROADSIDE FILLING
	BIS - ISO 22241 Process with Complete Automation	✓	✓	✗
	Consistent Urea Quality (GNFC TGU with TC only)	✓	Mixed - GNFC OR Imported Urea	✗
	Multi-stage Filtration Process	✓	✓	✗
	In -House QC Lab + BIS Third Party Lab QC Approvals	✓	✓	✗
	Pre-dispatch QC test / IBC level TC provided.	✓	?	✗
	OEM grade quality assurance (32.5% urea (+/- 0.7%))	✓	✓	✗
	In-house large scale production / storage capacity	33 KLPD Production / 60 KL Storage	Hybrid - Outsourced and In-House	✗
	Metrology approved dispenser at filling station	✓	✓	✗
	Affordability in compare with OEM brands	Competitively Priced	Premium-Priced	Low-High
	Efficient DEF Consumption	Lower - Consistent Concentration	Lower - Consistent Concentration	Higher - Fluctuating Urea Concentrations

REASON FOR AQUADEF REASONABLE SALES PRICE IN COMPARE WITH OEM

- REDUCED PRODUCTION COSTS AND LOW MANPOWER COST
- NO ADDED DISTRIBUTION MARGIN
- IN-HOUSE LOGISTICS AND DECREASED PACKAGING EXPENSES
- NO INVOLVEMENT OF THIRD-PARTY MANUFACTURING OUTSOURCING COSTS

Ultra Modern Testing Processes
for World-Class DEF. Precision in
Every Drop, Quality in Every
Batch.

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Our Sales Model

At AQUADEF, our sales model is centered around providing tailored solutions to meet the varied requirements of our customers. We understand that each customer has unique needs, and our diverse product range reflects our commitment to catering to these distinct demands. From individual vehicle owners to large-scale industrial operations, AQUADEF's sales model is designed to serve all.

PACKAGED SALES

1000 | 210 | 20 Litre



Experience Convenience and Quality with Our Packaged Sales Options. Choose from our diverse range of packaging to suit your needs – be it our 1000 liter IBC tanks for substantial requirements, the handy 20-liter buckets for moderate use, or the easily transportable 10-liter Jerry cans for smaller needs. Each packaging option guarantees the same high-quality AQUADEF, ensuring your vehicles run efficiently and eco-friendly.

RETAIL FILLING STATIONS

1-50 LITER



Visit Our Retail Outlet for Personalized Service. Located conveniently on the national highway, our retail outlet is your go-to destination for DEF needs. We offer dispenser filling services, providing AQUADEF as per your demand. Whether you're topping up on a long journey or ensuring your fleet's efficiency, our retail outlet is equipped to meet your specific requirements with ease and expertise.

BULK DOOR DELIVERY

10000 | 20000 | 25000 Litre



Tailored Bulk Delivery Right to Your Doorstep. For larger-scale operations, like workshops or mining sites, our Tanker Delivery service offers the ultimate convenience. Choose from 10 KL or 20 KL tanker deliveries, and we'll bring AQUADEF directly to you. This hassle-free solution ensures that your heavy-duty vehicles have uninterrupted access to top-quality DEF, keeping your operations smooth and environmentally compliant.

Green Today, Blue Tomorrow,
Safeguarding Environment.

www.aquadef.com



Our Values

Customer success – We value respectful partnerships through listening and responding positively to customer's needs. When our customers succeed, we succeed.

Team – We hire leaders who always act in the best interest of our customers, partners and stakeholders. This unified effort, allows us to operate at a high capacity for positive outcomes.

Quality – We are committed to the highest quality standards in the products we produce, the services we deliver. We do not compromise our standards or take shortcuts.

Integrity – Keeping true to old-fashioned values, we do what we say. We honour our commitments, treat everyone equitably, communicate honestly and openly at all times.

Innovation – We integrate innovative solutions into our organization's growth whilst investing in areas of research and development that drives industry benchmarks.

Where Quality Meets Versatility in Vehicle Performance.

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Quality policy :

AQUADEF Diesel Exhaust Fluid (DEF) is manufactured in a climate controlled, State of the Art facility, Our Diesel Exhaust Fluid's making plant maintains complete contaminate control in every phase of production. AQUADEF Diesel Exhaust Fluid stands out in the market as it is exclusively produced using highly purified technical grade urea sourced solely from GNFC. This fluid is manufactured under strictly controlled, clean conditions using ultra de-mineralized water. It undergoes a triple filtration process and adheres to stringent quality controls to ensure superior performance.

AQUADEF confirms the DEF product manufactured by us meets highest quality as per international standards

1. High quality technical grade urea (GNFC only) used with quality standard meets ISO22241.
2. DI water electric conductivity less than 0.1US/CM much better than ISO 22241 standard.
3. Concentration automatically managed using state of the art computer controlled process automation equipment's at 32.5%, which qualified with ISO22241 standard 31.8%-33.2%
- 4- Aquadef - Each batch has been dispatched only after generating a Quality Test Certificate that confirms compliance with ISO 22241 standards using the ATAGO RX- 5000i - Automatic Digital testing lab Equipments procured from ATAGO Japan - world leader in DEF testing technology, Batch Testing certificate will be provided along with the dispatch invoice upon customers request.

Consistent Quality, Upholding
Our Commitments.

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Key benefits of AQUADEF

It protects SCR systems – As the purity of AQUADEF is closely controlled, it does not damage SCR systems.

It reduces fuel consumption – AQUADEF cuts fuel consumption by 5 % – without reducing engine output.

It reduces exhaust emissions – The amount of NOx in exhaust gas can be reduced by 85 – 95 %.

It is environmentally friendly – AQUADEF is fully biodegradable and does not pollute water and soil.

it helps vehicles meet the latest – emissions standards AQUADEF helps vehicles comply with Euro 4, 5 and 6 standards.



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**Enhance Fuel
Milage**



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**Non Flammable
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MEETS ISO 22241 QUALITY STANDARDS

Customized Solutions, Superior Quality –
Meeting the Unique Needs of Every Customer,
from Individual Vehicle Owners to Large-Scale
Fleets"

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Ultra Premium Diesel Exhaust Fluid



AquadeF Technology Partners

Welcome to our overview of AQUADEF's esteemed technology partners. Each partner plays a crucial role in our commitment to delivering high-quality and innovative products. Here's a closer look at our collaborations across various technical aspects of our operations: Through these partnerships, AquadeF ensures the incorporation of global technological advancements in our production processes. Each partner is selected for their leading-edge technologies and their alignment with our mission to produce superior products. Together, we are setting standards in the industry, propelled by innovation and commitment to quality.

AUTOMATION CONTROL
PANEL



France

FILTRATION SYSTEM AND
MEMBRANES RO



South Korea

ELECTRODEIONIZATI
ON (EDI) SYSTEM



Netherlands

QUALITY CONTROL AND
TESTING EQUIPMENT



Japan

CONCENTRATION &
TEMPERATURE SENSOR



Germany

PRESSURE MEASUREMENT
SYSTEM



United Kingdom

CONDUCTIVITY
MEASUREMENT SYSTEM



India

SYSTEM
INTEGRATIONS



India

Globally Compliant, Locally
Preferred DEF solutions.

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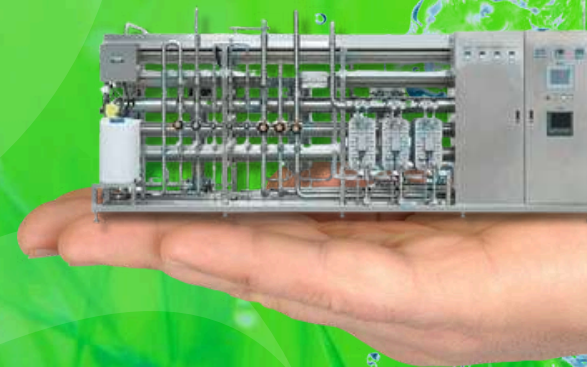


Storage and Handling instructions

Key Point	Details
Corrosiveness	DEF is corrosive to non-ferrous metals, their alloys, and carbon steel.
Material Compatibility	Should be blended, stored, and refilled in compatible materials.
Storage Container	Should be stored in plastic without additives and only specific types of steel.
Storage Conditions	Should be stored in the manufacturer's original container. Ideally stored within a temperature range between 0°C & 30°C, under a covered roof with good ventilation and protected from direct sunlight.
Quality Deterioration	Quality deterioration could damage the SCR system.
Storage Area Cleanliness	The storage area must be clean and free from dust to avoid contamination, especially when filling a vehicle with AdBlue.
Chemical Properties	Colorless, transparent, non-hazardous liquid. Safe even if spilled on body or clothes.
Environmental Impact	If spilled on ground, acts as a fertilizer.
Personal Safety	No need for protective clothing, but gloves are advisable to prevent skin irritation.

Ultra Modern Manufacturing Processes for World-Class DEF.

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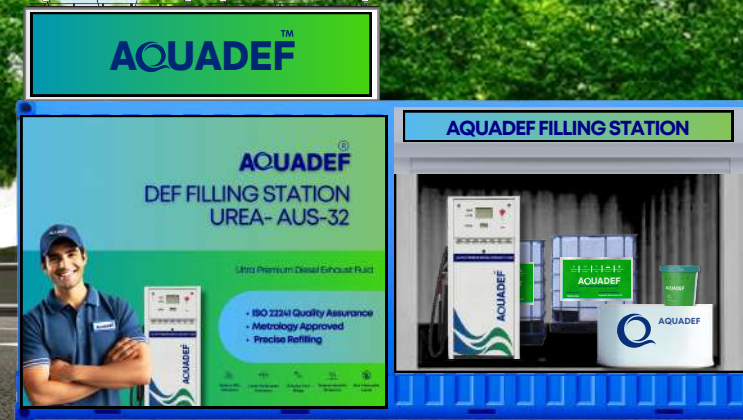


Technical Specifications | ISO 22241

Parameter	Methods/Standard	Unit	Min	Max	Result
Urea Content	ISO 22241-2 Annex C	% (m/m)	31.8	33.2	32.5
Density at 20°C	ISO 12185	kg/m³	1087.0	1093.0	1090
Refractive Index at 20°C	ISO 22241-2 Annex C		1.3814	1.3843	1.3829
Alkalinity as NH3	ISO 22241-2 Annex D	% (m/m)		0.2	0.01
Biuret	ISO 22241-2 Annex E	% (m/m)		0.3	0.27
Aldehydes	ISO 22241-2 Annex F	mg/kg		5	0.5
Insoluble Matter	ISO 22241-2 Annex G	mg/kg		20	1.0
Phosphate (PO4)	ISO 22241-2 Annex H	mg/kg		0.5	0.05
Calcium	ISO 22241	mg/kg		0.5	0.02
Iron	ISO 22241	mg/kg		0.5	0.01
Copper	ISO 22241-2 Annex	mg/kg		0.2	0.01
Zinc	ISO 22241-2 Annex	mg/kg		0.2	0
Chromium	ISO 22241-2 Annex	mg/kg		0.2	0.01
Nickel	ISO 22241-2 Annex	mg/kg		0.2	0.01
Aluminum	ISO 22241-2 Annex	mg/kg		0.5	0.01
Magnesium	ISO 22241-2 Annex	mg/kg		0.5	0.01
Sodium	ISO 22241-2 Annex	mg/kg		0.5	0.22
Potassium	ISO 22241-2 Annex	mg/kg		0.5	0.1

Growing retail dispensing outlets chain for world-class DEF, strategically located on national highway for maximum convenience.

www.aquadeef.com





Contact :

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Customer Services:

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Driving Innovations, The New Era of Green Technology.

www.aquadef.com



AQUADEFTM

Ultra Premium Diesel Exhaust Fluid

33 KLPD New Expansion Project from Neelkanth adblue

Tested, Tried, and Trusted by 200 + Reputed Large Fleet Customers,
Over 1.5 Million + Liter Quantity Sold Per Annum since last 5 years

