



GETTING THE
BEST SOLUTIONS
IN
THE MARKET FOR
OUR CUSTOMERS



Why Us?

- 47 Year Legacy of delivering best-in-class Customer-centric Solutions.
- Catering to various industries - commodity trading, Oil & Gas Industry such as - Light Distillates, Middle Distillates, Heavy Distillates, Crude, Residum and Fertilizer.

Lab Chemicals Product Catalogue

Oil and Gas

Prepared by:



Date: 10/01/23

Procurement Team



Approved by:

Head of Procurement

Date: 10/01/23



Authorised by:

Managing Director

Date: 10/01/23



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Lab Chemicals International Limited

Company Registration No. 10826968

Registered Office: Berkeley Square House, Berkeley Square - Mayfair, London, W1J 6BD.

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1 INTRODUCTION

Lab Chemicals has been trading since 1975, as a leading distributor & supplier of various commodities. The Lab Chemicals Group has operations in India (Lab Chemicals Private Limited) and the United Kingdom (Lab Chemicals International with headquarters and registered in Mayfair, UK).

Lab Chemicals International Limited (LCIL) caters to diverse sectors from private to Government Departments. LCIL UK supplies a complete range of fuels, ores and metals.

LCIL UK focuses mostly on the Oil & Gas Industry, supplying:

1. **Light Distillates** (i.e Gasoline 92 Unleaded, Gasoline 95 Unleaded, Gasoline 97 Unleaded, Liquefied Petroleum Gas and Naphtha),
2. **Middle Distillates** (i.e Gasoil 0.0010%S, Gasoil 0.0050%S, Gasoil 0.0500%S, Gasoil 0.1000%S, Gasoil 0.2500%S, Gasoil 0.3000%S, Aviation Fuel Jet A-1, Aviation Fuel TS-1),
3. **Heavy Distillates** (i.e Fuel Oil 3.5%S 180 CST and Fuel Oil 3.5%S 380 CST),
4. **Crude** (i.e ESPO) ,
5. **Natural Gas** (Liquefied Natural Gas) ,
6. **Residum** (Bitumen) and
7. **Fertilizer** (Urea 46).

Our fundamental tenet is to partner closely with our customers and suppliers/refineries to seamlessly deliver world class products. Increasingly we are working with our clients as their sourcing partner, assisting them with the development of new and existing oil and gas products, enabling them to bring their offerings to the market, competitively priced, while maintaining the consistency and quality which their customers have come to expect.

We have spent years travelling to different parts of the world to forge relations with the market leaders, innovators, refineries and title holders to get the best in market solutions and products to our clients doorstep.

We are keen to be your total solution partner, sharing our experience and knowledge in selecting the suitable & best oil and gas products for your application.

We are in long term relationships with HM Government, refineries and all major airline industries, who we supply with various oil products, directly or indirectly.

We export to All Safe World Port (ASWP). Our delivery terms are on CIF - COST, INSURANCE FREIGHT, STS - SHIP TO SHIP TRANSFER and / or VTO - VESSEL TAKE OVER basis.

All of the above Lab chemicals International products are procured and supplied to British or International Standards as applicable.

Our services have been recognized in various National, International and State Government Forums. We have been bestowed with prestigious awards - "National Unity Award", "Rajiv Gandhi Award", "Best Seller Award" and "Kalinga Award", among many others. For more information please visit our website and for oil products catalogue please see under "what we do " column – www.labchemicalsinternational.com

How to find us :- Our bright and newly refurbished head office space is in the heart of Mayfair and is easily accessible via both public transport and car and is just steps away from some of the area's best pubs and restaurants.



Figure 1-1 Lab Chemicals London office

2 HOW TO GET THERE

Closest airports

- London Heathrow Airport
15.3 miles via M4 and A4
- London Gatwick Airport
55.3 miles via M25
- London Luton Airport
33.3 miles via M1

Nearest Tubestations

- Green Park Station
6 min walk (0.3 mi) via Berkeley St
- Bond Street Station
8 min walk (0.4 mi) via Davies St

3 OIL AND GAS PRODUCT LIST WITH PRICING DETAILS

We supply a wide range of oil products. Lab Chemicals understands the importance of quality in the oil and gas industries and that is exactly what we bring to you- by always delivering on time. We are known and recognised for providing leading service, reliability and high quality products. Below is a list of products that we can provide:

GERMAN ORIGIN - PRODUCT LIST WITH PRICING DETAILS						
REFINED/PRODUCED IN GERMANY, NOT RE-DOCUMENTED						
PRODUCT DESCRIPTION	DELIVERY TERM			PRICING	INDEX	PLATTS CODE. INDEX REFERENCE
	CIF	STS	VTO			
<u>LIGHT DISTILLATES</u>						
GASOLINE 92 UNLEADED	✓	✓	✓	7% DISCOUNT ON INDEX	PLATTS APAG SINGAPORE	PGAEY00
GASOLINE 95 UNLEADED	✓	✓	✓	7% DISCOUNT ON INDEX	PLATTS APAG SINGAPORE	PGAEZ00
GASOLINE 97 UNLEADED	✓	✓	✓	7% DISCOUNT ON INDEX	PLATTS APAG SINGAPORE	PGAMS00
<u>MIDDLE DISTILLATES</u>						
GASOIL 10 PPM	✓	✓	✓	7% DISCOUNT ON INDEX	REGIONAL PLATTS ASSESSMENT	CODE BASED ON DESTINATION
GASOIL 50 PPM	✓	✓	✓	7% DISCOUNT ON INDEX	PLATTS APAG SINGAPORE	AAPPF00
JET FUEL A-1	✓	✓	✓	7% DISCOUNT ON INDEX	REGIONAL PLATTS ASSESSMENT	CODE BASED ON DESTINATION
<u>HEAVY DISTILLATES</u>						
FUEL OIL 3.5%S 180 CTS	✓	✓	✓	7% DISCOUNT ON INDEX	PLATTS APAG SINGAPORE	PUADV00
FUEL OIL 3.5%S 380 CTS	✓	✓	✓	7% DISCOUNT ON INDEX	REGIONAL PLATTS ASSESSMENT	CODE BASED ON DESTINATION
CIF - COST, INSURANCE FRIEGHT			STS - SHIP TO SHIP TRANSFER		VTO - VESSEL TAKE OVER	
COMMISSIONS: 0.5% OPEN TO THE BUY SIDE PAYABLE BY THE SELLER UNDER FEE AGREEMENT. SELLER SIDE : CLOSED					ALL COMMISSIONS ARE OVER AND ABOVE THE QUOTED DISCOUNTS/PRICES ABOVE.	
Minimum Qty is 50,000 MT for all products except Jet Fuel with minimum Qty of 2M BBL and minimum Contract Period is 12 months.						
The products are in accordance with the specifications requested by "The Buyer" or presented by "The Seller".						

4 PROCUREMENT PROCESS – VESSEL TAKEOVER (VTO)

1. Request

1.1. "The Buyer" issues a Letter of Interest or the Request for Product Application.

- The Letter of Interest or the Request for Product Application shall consist of Product Name, Volume, Discharge/Retrieval Port, Specification(s), Collateral Instrument issuing Bank Name, Company Information, etc.

2. Commercial Offer

2.1. "The Seller" issues a Commercial Offer.

- The Commercial Offer exhibits information such as Specific Prices, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Etc.

2.2. "The Buyer" formalizes and returns the Commercial Offer in conjunction with a Banker Signed Ready Willing and Able (RWA) letter stating "The Banker" shall issue a Collateral Instrument on behalf of "The Buyer".

3. Sales Agreement

3.1. "The Seller" issues the Sales & Purchase Agreement.

- The Sales & Purchase Agreement exhibits information such as Price, Index Discount, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Banking Coordinates, and other tacit data.
- The delivery timeline is contingent on the Volume, Load/Discharge Ports, and Vessel Availability.

4. Formalization/Banking

4.1. "The Buyer" formalizes and submits the Sales & Purchase Agreement within **(3)** Business Days.

4.2. The Sales & Purchase Agreement is lodged with "The Buyer's" and "The Seller's" Bank.

4.3. "The Buyer's" Banker transmits a Pre-Advice via SWIFT MT799.

4.4. "The Buyer's" Banker transmits the Collateral Instrument via SWIFT MT760.

4.5. "The Seller's" Banker issues a 2% Performance Bond.

5. Loading/Documentation

5.1. Subsequent to the validation of the Collateral Instrument, "The Seller" loads the vessel (At own expense) and issues the Product & Delivery Documentation.

- Product & Delivery Documentations are submitted digitally and via courier when created. Documentation comprises of, but not limited to; Charter Party Agreement, Vessel Questionnaire 88, Vessel/Product Insurance Policy (Lloyds), Commitment to Supply/Commercial Invoice, Statement of Product Availability/Certificate of Origin, Bill of Lading/Cargo Manifest, Ullage Report, Certificate of Quality, Notice of Readiness/ETA to Destination, Etc.

- "The Buyer" may track and/or communicate with the vessel at their convenience.

6. Delivery/Discharge

- 6.1. "The Seller" issues the Authorization to Board (ATB) and the Dip Test Authorization (DTA).
- 6.2. "The Buyer" executes an MT103 Wire Transfer within 24 hours subsequent to the Quality/Quantity Inspection (Optional) and in accordance to the final Invoice.
- 6.3. "The Seller" transfers the Certificate of Ownership (Title) subsequent to the receipt of payment.
- 6.4. "The Buyer" dispatches the vessel.

5 PROCUREMENT PROCESS – COST, INSURANCE & FREIGHT (CIF)

1. Request

- 1.1. "The Buyer" issues a Letter of Interest or the Request for Product Application.
 - The Letter of Interest or the Request for Product Application shall consist of Product Name, Volume, Discharge/Retrieval Port, Specification(s), Collateral Instrument issuing Bank Name, Company Information, etc.

2. Commercial Offer

- 2.1. "The Seller" issues a Commercial Offer.
 - The Commercial Offer exhibits information such as Specific Prices, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Etc.
- 2.2. "The Buyer" formalizes and returns the Commercial Offer in conjunction with a Banker Signed Ready Willing and Able (RWA) letter stating to issue a Collateral Instrument on behalf of "The Buyer".

3. Sales Agreement

- 3.1. "The Seller" issues the Sales & Purchase Agreement.
 - The Sales & Purchase Agreement exhibits information such as Price, Index Discount, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Banking Coordinates, and other tacit data.
 - The delivery timeline is contingent on the Volume, Load/Discharge Ports, and Vessel Availability.

4. Formalization/Banking

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- 4.2. The Sales & Purchase Agreement is lodged with "The Buyer's" and "The Seller's" Bank.
- 4.3. "The Buyer's" Banker transmits a Pre-Advice via SWIFT MT799.
- 4.4. "The Buyer's" Banker transmits the Collateral Instrument via SWIFT MT760.

4.5. "The Seller's" Banker issues a 2% Performance Bond.

5. Loading/Documentation

5.1. Subsequent to the validation of the Collateral Instrument, "The Seller" loads the vessel (At own expense) and issues the Product & Delivery Documentation.

- Product & Delivery Documentations are submitted digitally and via courier when created. Documentation comprises of, but not limited to; Charter Party Agreement, Vessel Questionnaire 88, Vessel/Product Insurance Policy (Lloyds), Commitment to Supply/Commercial Invoice, Statement of Product Availability/Certificate of Origin, Bill of Lading/Cargo Manifest, Ullage Report, Certificate of Quality, Notice of Readiness/ETA to Destination, Etc.
- "The Buyer" may track and/or communicate with the vessel at their convenience.

6. Delivery/Discharge

6.1. Per standard shipping protocols, "The Shipper" contacts "The Buyer" and "Target Harbormaster" within a 48-hour arrival date/time.

6.2. "The Seller" issues the Authorization to Board (ATB) and the Dip Test Authorization (DTA).

6.3. Customs will accompany "The Buyer" per local rules.

6.4. "The Buyer" executes an MT103 Wire Transfer subsequent to the Quality/Quantity Inspection and in accordance to the final Invoice.

6.5. "The Seller" transfers the Certificate of Ownership (Title) subsequent to the receipt of payment.

6.6. Shore tanks are injected per the harbormaster's directives.

6 PROCUREMENT PROCESS – SHIP TO SHIP TRANSFER (STS)

1. Request

1.1. "The Buyer" issues a Letter of Interest or the Request for Product Application.

- The Letter of Interest or the Request for Product Application shall consist of Product Name, Volume, Discharge/Retrieval Port, Specification(s), Collateral Instrument issuing Bank Name, Company Information, etc.

2. Commercial Offer

2.1. "The Seller" issues a Commercial Offer.

- The Commercial Offer exhibits information such as Specific Prices, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Etc.

2.2. "The Buyer" formalizes and returns the Commercial Offer in conjunction with a Banker Signed Ready Willing and Able (RWA) letter stating to issue a Collateral Instrument on behalf of "The Buyer".

3. Sales Agreement

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Company Registration No. 10826968

3.1. "The Seller" issues the Sales & Purchase Agreement.

- The Sales & Purchase Agreement exhibits information such as Price, Index Discount, Volume, Load/Discharge Ports, Delivery Timeline, Product Specifications, Banking Coordinates, and other tacit data.
- The delivery timeline is contingent on the Volume, Load/Discharge Ports, and Vessel Availability.

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4.3. "The Buyer's" Banker transmits a Pre-Advice via SWIFT MT799.

4.4. "The Buyer's" Banker transmits the Collateral Instrument via SWIFT MT760.

4.5. "The Seller's" Banker issues a 2% Performance Bond.

5. Loading/Documentation

5.1. Subsequent to the validation of the Collateral Instrument, "The Seller" loads the vessel (At own expense) and issues the Product & Delivery Documentation.

- Product & Delivery Documentations are submitted digitally and via courier when created. Documentation comprises of, but not limited to; Charter Party Agreement, Vessel Questionnaire 88, Vessel/Product Insurance Policy (Lloyds), Commitment to Supply/Commercial Invoice, Statement of Product Availability/Certificate of Origin, Bill of Lading/Cargo Manifest, Ullage Report, Certificate of Quality, Notice of Readiness/ETA to Destination, Etc.
- "The Buyer" may track and/or communicate with the vessel at their convenience.

6. Delivery/Discharge

6.1. The Vessel sails to Target Destination

6.2. Per standard shipping protocols, "The Shipper" contacts "The Buyer" within a 48-hour arrival date/time.

6.3. "The Seller" issues the Authorization to Board (ATB) and the Dip Test Authorization (DTA).

6.4. "The Buyer" executes an MT103 Wire Transfer subsequent to the Quality/Quantity Inspection (Optional) and in accordance to the final Invoice.

6.5. "The Seller" transfers the Certificate of Ownership (Title) subsequent to the receipt of payment.

6.6. Injection process commences. [Fuel is injected into "The Buyer's" vessel(s)]

7 SALIENT FEATURES

1. **The Seller** is a secondary market participant who is a Latvian registered entity conducting business in association with a UK-registered co-venturer. The signatory is a Spanish citizen and is an attorney by profession.
2. **Bankers:** The Seller's Bankers are Deutsche Bank AG Germany or in certain cases The Industrial Bank Co. Ltd., China
3. The seller does not do spot deals or trials. Seller operates on **Wholesale And Annual Contracts** only. Of course, the buyer can terminate the contract if the seller is in violation of contract terms.
4. **Product Documentation** is not created until the seller procures the fuel (at their own expense). And the seller does not procure the fuel until the collateral financial instrument from the buyer is in place. Fuel is not freely stored and available in hope there is a buyer who can perform. The seller 'does not' under any circumstance load a vessel or store fuel in tanks (at origin port) without collateral (bank instrument) from the buyer. Thus, no product documentation exists nor is created until collateral is established.
5. **Proof of Funds:** When referring to POF, Seller asks for a 'Banker Signed Ready, Willing & Able Letter' subsequent to the formalization of the Commercial Offer. An RWA Verbiage is attached to the Commercial Offer. An RWA not only helps to assess the financial capacity of the buyer, but it is also a confirmation from the bank that they are ready to issue a collateral on behalf of their client. (The RWA is also quite specific since it will be addressed to the Seller).
6. **ATV:** The seller and co-venturer can issue an 'authorization to verify (ATV) which is transmitted purely between bankers. An ATV provides adequate comfort to cautious buyers. The ATV is to validate/confirm the seller's:
 - Hydrocarbon trading experience.
 - Financial capacity to conduct business.The validation is carried out between the buyer's banker and the re-seller's banker. This document is transmitted purely between bankers and done subsequent to the receipt of an RWA from the buyer.
7. **Contract Terms:** The term of the contract is 12 consecutive calendar months with rolls and extensions for 24 months upon mutual agreement between both parties.
8. **Delivery Terms:** The product is delivered through a Ship-to-Ship (STS) operation. The coordinates/location of the operation is determined and confirmed by "The Seller" subsequent to the validation of the Collateral instrument.
9. **Loading Port:** The Port of Bremerhaven [DE BRV], Federal Republic of Germany. Alternatively, subject to the sole discretion of the Producer; the product may be loaded from The Port of Hamburg [DE HAM], Federal Republic of Germany.
10. **Lead Time for 1st Shipment:** Typically, "The Seller" leases a vessel/barge, berths, and loads the product into "The Seller's" leased vessel/barge within 14 to 21 days subsequent to the validation of the Collateral instrument. Furthermore, account an additional time for dispatch and sailing toward the target destination.

11. **Pricing:** The pricing of the product sold and purchased is offered at a discounted rate of 7.0% (Seven Percent) against Platts set on the date of the Sales & Purchase Agreement for the First shipment. Subsequently, The pricing of the product sold and purchased is offered at a discounted rate of 7% (Seven Percent) against Platts set on the date of the Bill of lading for shipments Two to Twelve.

**Note - Today's prices will vary until the time a contract is signed.*

Prices for the 1st Shipment is locked on the day the contract is signed. Shipment 2 to 12 is set on the date of the B/L.

Let's suppose there's a Diesel Buyer signing a contract today, he would be offered an 7% discount on today's assessment. Assuming diesel today is 1000/MT, buyer would be paying 930/MT. This is just an example.

Hence, the [Price is assigned] on the 'Date' of the SPA for the 1st shipment. And The [Price is assigned] on the 'Date' of the Bill of Lading for shipments 2 to 12.

12. **Payment:** Standby Letter of Credit via MT760 or DLC via MT700 as a Collateral Security Payment Guarantee. Actual payment executed via MT103.
Wire Transfer after SGS or equivalent Inspection Report at Discharge Port at Buyer's Cost. The Collateral Instrument must be Irrevocable, Confirmed and may be Non-Transferrable but issued by Banks on the Approved List provided by the Seller.
13. **Performance Bond:** Issuance of a 2% Performance Bond against the shipment value by "The Seller" subsequent to the receipt, verification, and authentication of the Payment Guarantee (SBLC).
14. **Insurance:** The Seller pays for a specially curated insurance plan from LLOYDS OF LONDON for covering loss during transit caused due to fire, explosion, hijacks, accidents, collisions, and overturning the risk of theft, malicious damage, damages during loading and unloading, mishandling of goods/cargo and non-delivery of goods, late delivery, off-specs delivery or short quantity delivery. The coverage is equivalent to 110% of the cargo value. The policy can be issued to the order of the Buyer but not exclusively. The beneficiary will read Seller's Name/Buyer's Name. If the Seller does not deliver, does not deliver on time, or does not deliver per requested specs or volume – The Buyer can file a claim to LLOYDS and be reimbursed in the FULL amount of the Policy.
15. **Inspection:** SGS or Equivalent. Prior to loading the Vessel, Inspection is carries out for Q&Q Inspection in Seller's tanks and such report forms part of the shipping documents.
To assess the quality and quantity, The Seller appoints and remunerates an internationally recognized first-class Independent Surveyor Company Société General de Surveillance (SGS) or Similar at the Port of Loading. Correspondingly, The Buyer appoints and remunerates an internationally recognized first-class Independent Surveyor Company Société General de Surveillance (SGS) or Similar at the Port of Discharge.

Important Note :-

1. PRODUCT DOCUMENTATION IS NOT CREATED UNTIL THE SELLER PROCURES THE FUEL (AT THEIR OWN EXPENSE) AND THE SELLER DOES NOT PROCURE THE FUEL UNTIL THE COLLATERAL FINANCIAL INSTRUMENT FROM THE BUYER IS IN PLACE.
2. THE SELLER DOES NOT DO SPOT DEALS OR TRIALS. SELLER OPERATES ON WHOLESALE AND ANNUAL CONTRACTS ONLY. OF COURSE, THE BUYER CAN TERMINATE THE CONTRACT IF THE SELLER IS IN VIOLATION OF CONTRACT TERMS.
3. FUEL IS NOT FREELY STORED AND AVAILABLE IN HOPE THERE IS A BUYER WHO CAN PERFORM. THE SELLER 'DOES NOT' UNDER ANY CIRCUMSTANCE LOAD A VESSEL OR STORE FUEL IN TANKS (AT ORIGIN PORT) WITHOUT COLLATERAL (BANK INSTRUMENT) FROM THE BUYER. THUS, NO PRODUCT DOCUMENTATION EXISTS NOR IS CREATED UNTIL COLLATERAL IS ESTABLISHED.

8 READY, WILLING, & ABLE VERBIAGE (RWA) TEMPLATE

[BANK LETTERHEAD]

To : XXXX
To : XXXX

RE: READY, WILLING, AND ABLE

AT THE REQUEST OF [BUYER], LOCATED AT [ADDRESS], WE [BANK] HEREBY CONFIRM WITH FULL BANK RESPONSIBILITY AND AUTHORITY THAT WE ARE READY, WILLING, AND ABLE TO ISSUE OUR CASH-BACKED STAND-BY LETTER OF CREDIT VIA SWIFT MT760 FORMAT, IN FAVOR OF XXXX AS BENEFICIARY, WITH CLEAN, CLEAR, LEGALLY OWNED FUNDS IN THE FACE AMOUNT OF USD XXXXXXXXX.XX (XXXXX MILLION DOLLARS) WITH A VALIDITY PERIOD OF ONE (1) YEAR AND ONE (1) MONTH.

WE FURTHER CONFIRM THAT THIS STAND-BY LETTER OF CREDIT IS UNCONDITIONAL, IRREVOCABLE, CONFIRMABLE, ASSIGNABLE, TRANSFERABLE, DIVISIBLE, CALLABLE, AND CASH-BACKED WITHOUT PAYMENT OF FEES AND CAN BE RENEWED OR REISSUED IF AGREED BETWEEN THE PARTIES.

THIS LETTER IS VALID FOR A PERIOD OF FORTY-FIVE (45) DAYS WITH FULL BANKING AUTHORITY BY THE SIGNOR.

FOR AND ON BEHALF OF [BANK NAME] OF [BANK ADDRESS]

BANK OFFICER:
NAME:
TITLE:
PIN :
SWIFT:

9 PRODUCT DATA/SPECIFICATION - ULTRA-LOW SULFUR DIESEL 10 PPM (GASOIL 0.001%S)

Component	Value
Acid Number, MG KOH/G	0.3 MAX
Appearance @ 25°C	Clear & Bright, Without Undissolved Sediment or Free Water
Ash Content, Mass %	0.01 MAX
Cetane Index	46 MIN
Cetane Number	51 MIN
Carbon Residue, Mass %	0.2 MAX
CFPP, °C	MINUS 5 MAX
Cloud Point, °C	MINUS 1 MAX
Color	2.0 MAX
Conductivity @ 20°C, PS/M	150 MIN
Copper Corrosion 3 HRS @ 50°C	1 MAX
Density @ 15°C, G/ML	0.82 MIN - 0.845 MAX
Distillation T90 (90% Recovered), °C	
Distillation T95 (95% Recovered), °C	360 MAX
Distillation Volume Recovered @ 250°C	65 MAX
Distillation Volume Recovered @ 350°C	85 MIN
Filter Blocking Tendency @ 40°C, MM2/G	2 MAX
Flash Point, °C	61.5 MIN
Kinematic Viscosity @ 40°C, CST	2.0 MIN - 4.5 MAX
Lubricity @ 60°C, Microns	460 MAX
Oxidation Stability, MG/L	25 MAX
Particulate Matter, MG/KG	24 MAX
Polyaromatic Hydrocarbons, Mass %	11 MAX
Pour Point, °C	
Sulfur Content, PPM	10 MAX
Water Content, MG/KG	200 MAX
Water & Sediment, Volume %	0.05 MAX
Odour	Merchantable

10 PRODUCT DATA/SPECIFICATION - AVIATION KEROSENE (JET A-1)

Component	Result
Total Acid, MGKOH/G	0.10
Aromatic Content, VOL%	25
Naphthalene, VOL%	3
Mercaptan Sulphur, WT%	0.003
Total Sulphur, WT%	0.30
Initial Boiling Point, CELSIUS	Report
Final Boiling Point, CELSIUS	300 (572)
Residual, VOL%	1.5
Loss, VOL%	1.5
Flash Point, CELSIUS	38 (100)
Viscosity, CST	8
Gravity, API	37 - 51
Density, KG/M3	775 - 840
Freeze Point JET A-1, CELSIUS	-47.0 (-53)
Heat Content, BTU/LB	18400
Net Heat of Combustion, MJ/KG	42.8
Smoke Point, MM	18
Copper Corrosion, CODE	1
Stability - P, MM HG	25
Preheat Code, CODE	<3
Existent Gum, MG/100ML	7
Water Separation, MSEP	85

11 LIST OF APPROVED BANKERS

LIST OF APPROVED BANKERS		
EUROPE	ASIA	NORTH AMERICA
AUSTRIA	CHINA	CANADA
Erste Group Bank AG	Agricultural Bank of China	Bank of Montreal
BELGIUM	Agricultural Development	Bank of Nova Scotia
Belfius Dexia	Bank Bank of Beijing	Canadian Imperial Bank of Commerce
KBC Group NV	Bank of China	National Bank of Canada
DENMARK	Bank of Jiangsu	Royal Bank of Canada
Danske Bank Nykredit Group	Bank of Communications	Toronto-Dominion Bank
FRANCE	CITIC Bank Corp	USA
BNP Paribas	Bank of Shanghai China	Bank of America
Credit Agricole Group Credit Mutuel	China Construction Bank Corp.	Bank of New York
Groupe BPCE	China Everbright Bank	Mellon Corp
La Banque Postale Societe Generale	China Development Bank	BB&T Corporation
GERMANY	China Guangfa Bank (CGB)	Capital One Financial Corporation
Bayerische Landesbank	China Merchants Bank	Charles Schwab Corp
DZ Bank AG KfW Group	China Minsheng Banking Corp.	Citigroup Inc
Commerzbank Deutsche Bank	China ZheShang Bank (CZBank)	Goldman Sachs Group
Landesbank Baden-Wurttemberg	Hua Xia Bank	Morgan Stanley
ITALY	Industrial & Commercial Industrial Bank Co. Ltd.	JPMorgan Chase & Co
Cassa Depositi e Prestiti (CDP) Intesa Sanpaolo	Ping An Bank	PNC Financial Services Group
UniCredit S.p.A.	Postal Savings Bank of China	State Street Corp
LUXEMBOURG	The Export-Import Bank of China	Suntrust Banks

European Investment Bank	Shanghai Pudong Development	U.S. Bancorp Wells Fargo
NETHERLANDS	INDIA	SOUTH AMERICA
ABN AMRO Group NV	State Bank of India	BRAZIL
ING Groep NV Rabobank Group	JAPAN	Banco Bradesco SA
NORWAY	Japan Post Bank	Banco do Brasil SA
DnB ASA	Mitsubishi UFJ Financial Group	Brazilian Development Bank
SPAIN	Nomura Holdings	Caixa Economica Federal Itau
Banco Santander Bankia	Mizuho Financial Group	Unibanco Holding SA
BBVA	Norinchukin Bank Resona Holdings	OCEANIA
Banco Sabadell	Shinkin Central Bank (SCB)	AUSTRALIA
CaixaBank	Sumitomo Mitsui Financial Group	Australia & New Zealand Group
SWEDEN	Sumitomo Mitsui Trust Holdings	Westpac Banking Corp
Nordea, Swedbank	RUSSIA	Commonwealth Bank of Australia
Skandinaviska Enskilda Banken	Sberbank of Russia, VTB Bank	National Australia Bank
Svenska Handelsbanken	SINGAPORE	MIDDLE EAST
SWITZERLAND	DBS Group Holdings	QATAR
UBS Group AG	Oversea-Chinese Banking Corp.	Qatar National Bank
Raiffeisen Schweiz	United Overseas Bank (UOB)	
Credit Suisse Group	SOUTH KOREA	
UK	Hana Financial Group	
Barclays PLC	Industrial Bank of Korea	
Standard Chartered PLC	KB Financial Group	
Lloyds Banking Group	Korea Development Bank	TAIWAN
Royal Bank of Scotland	NongHyup Financial Group	Cathay Financial Holding
Nationwide Building Society	Shinhan Financial Group	Fubon Financial Holding
HSBC Holdings	Woori Bank	

For more information on tubes, please call +44 (0) 207 993 6060 or email. For quote please provide us the product name, specification/size and quantity.

12 CONCLUSIONS

All Lab chemicals products are procured and supplied to British or international standards where applicable. Our products are available in bulk, non sanctioned country, non sanctioned countries port.

For more information on any products, request for product application please call +44 (0) 207 993 6060 or email and contact our sales team.

DOCUMENT CHANGE DETAILS

ISSUE	CHANGE AUTHORITY	CLASS	RELEVANT INFORMATION/INSTRUCTIONS
01	N/A	-	Initial Issue for 2023

DISTRIBUTION LIST

INTERNAL	EXTERNAL
Lab Chemicals Secretary Lab Chemicals : Employee distribution Customer : Customer configuration control	

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