



# Urea & Sulphur

FERTILISER & INDUSTRIAL GRADES

## CATEGORY OVERVIEW

# UREA & SULPHUR

Urea and sulphur products for fertiliser and industrial requirements, with separate pages for forms and grades.

## Included products

| PROPERTY                            | UNIT | SPECIFICATION / RESULT | METHOD / BASIS     |
|-------------------------------------|------|------------------------|--------------------|
| Granular Urea 46%                   | -    | Included               | Supplied portfolio |
| Prilled Urea 46% - Fertilizer Grade | -    | Included               | Supplied portfolio |
| Prilled Urea 46% - Automotive Grade | -    | Included               | Supplied portfolio |
| Granular Sulphur                    | -    | Included               | Supplied portfolio |
| Lump Sulphur                        | -    | Included               | Supplied portfolio |
| Flake / Powder Sulphur              | -    | Included               | Supplied portfolio |

## PRODUCT SPECIFICATION

# Granular Urea 46%

Agricultural granular nitrogen fertilizer.

| PROPERTY                 | UNIT   | SPECIFICATION / RESULT | METHOD / BASIS    |
|--------------------------|--------|------------------------|-------------------|
| Nitrogen content         | mass % | 46 minimum             | AOAC 955.04       |
| Biuret                   | mass % | 1.00 maximum           | AOAC 960.04       |
| Moisture                 | mass % | 0.5 maximum            | AOAC 972.01       |
| Formaldehyde             | mass % | 0.55 maximum           | UKF SBB 0071-02-E |
| Particle size 2.0-4.0 mm | mass % | 90 minimum             | IV-A TFI-1982     |

## Commercial notes

Load port, packing and cargo quantity are confirmed in the offer.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## PRODUCT SPECIFICATION

# Prilled Urea 46% - Fertilizer Grade

Coated technical grade B / fertilizer prilled urea.

| PROPERTY               | UNIT   | SPECIFICATION / RESULT | METHOD / BASIS |
|------------------------|--------|------------------------|----------------|
| Nitrogen content       | mass % | 46 minimum             | ISO 5315       |
| Moisture               | mass % | 0.8 maximum            | ISO 2753       |
| Biuret                 | mass % | 1 maximum              | ISO 2754       |
| Particle size 1-2.8 mm | mass % | 90 minimum             | ISO 8397       |

## Commercial notes

Final particle-size distribution and anti-caking treatment are stated on the COA.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## PRODUCT SPECIFICATION

# Prilled Urea 46% - Automotive Grade

Technical grade A / automotive urea; treatment confirmed by COA.

| PROPERTY               | UNIT   | SPECIFICATION / RESULT   | METHOD / BASIS |
|------------------------|--------|--------------------------|----------------|
| Nitrogen content       | mass % | 46 minimum               | ISO 5315       |
| Moisture               | mass % | 0.5 maximum              | ISO 2753       |
| Biuret                 | mass % | 1 maximum                | ISO 2754       |
| Particle size 1-2.8 mm | mass % | 90 minimum               | ISO 8397       |
| Conditioning agent     | -      | Confirm treatment by COA | Supplier sheet |

## Commercial notes

Purity and trace-element limits for AUS/AdBlue production require the agreed automotive standard.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## PRODUCT SPECIFICATION

# Granular Sulphur

Granular elemental sulphur for fertilizer and industrial applications.

| PROPERTY               | UNIT   | SPECIFICATION / RESULT | METHOD / BASIS          |
|------------------------|--------|------------------------|-------------------------|
| Purity, dry basis      | mass % | 99.8 minimum           | Reference specification |
| Ash content            | ppm wt | 200 maximum            | Reference specification |
| Organic matter         | ppm wt | 500 maximum            | Reference specification |
| Hydrogen sulphide      | ppm wt | 10 maximum             | Reference specification |
| Moisture               | mass % | 0.99 maximum           | Reference specification |
| Colour                 | -      | Yellow                 | Visual                  |
| Above 4.75 mm          | mass % | 1 maximum              | Size distribution       |
| Between 2.4 and 4.4 mm | mass % | 95 minimum             | Size distribution       |
| Below 2 mm             | mass % | 0.5 maximum            | Size distribution       |
| Below 1.19 mm          | mass % | 0.3 maximum            | Size distribution       |
| Below 300 microns      | mass % | 0.1 maximum            | Size distribution       |

## Commercial notes

Load port, packing and cargo quantity are confirmed in the offer.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## PRODUCT SPECIFICATION

# Lump Sulphur

Lump elemental sulphur cargo.

| PROPERTY     | UNIT   | SPECIFICATION / RESULT | METHOD / BASIS     |
|--------------|--------|------------------------|--------------------|
| Product form | -      | Lump / chunk           | Supplier portfolio |
| Sulphur      | mass % | Shipment COA           | Commercial         |
| Ash          | mass % | Shipment COA           | Commercial         |
| Moisture     | mass % | Shipment COA           | Commercial         |

## Commercial notes

Bulk or bagged supply is subject to origin and destination requirements.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## PRODUCT SPECIFICATION

# Flake / Powder Sulphur

Flake and powder elemental sulphur grades.

| PROPERTY          | UNIT   | SPECIFICATION / RESULT | METHOD / BASIS          |
|-------------------|--------|------------------------|-------------------------|
| Purity, dry basis | mass % | 99.8 minimum           | Reference specification |
| Ash content       | ppm wt | 200 maximum            | Reference specification |
| Organic matter    | ppm wt | 500 maximum            | Reference specification |
| Hydrogen sulphide | ppm wt | 10 maximum             | Reference specification |
| Moisture          | mass % | 0.99 maximum           | Reference specification |
| Colour            | -      | Yellow                 | Visual                  |
| Product form      | -      | Flake / powder         | Supplier portfolio      |

## Commercial notes

Load port, packing and cargo quantity are confirmed in the offer. Powder particle size is agreed separately.

## Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

## COMMERCIAL ENQUIRIES

# Request a firm offer and shipment COA.

State the product, grade, quantity, origin preference, delivery basis, destination, packaging, quality standard and inspection requirement.

| PROPERTY        | UNIT        | SPECIFICATION / RESULT | METHOD / BASIS |
|-----------------|-------------|------------------------|----------------|
| Product / grade | -           | Required               | Commercial     |
| Quantity        | MT / litres | Required               | Commercial     |
| Incoterm        | -           | FOB / CFR / CIF / FCA  | Commercial     |
| Destination     | -           | Port / country         | Commercial     |
| Inspection      | -           | If required            | Commercial     |

## ENQUIRIES THROUGH OPHIR GATE

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