

CERTIFICATE OF ANALYSIS

| | | | |
|--------------|---------------------------------|------------------|---------------|
| Issuing Date | : 02/05/2022 | Certification No | : 20220587439 |
| User | : transform master | Po No | : 1348918 |
| Grade | : KUMANOX 5010L POWDER 20KG BAG | Invoice No | : 20312767 |
| Quantity | : 4,000KG | Production Date | : 26/04/2022 |

| Analysis Item | Unit | Spec. | Lot No & Results | | Method |
|--|------|-----------------|------------------|------------|-----------|
| | | | 220426630 | 220427632 | |
| | | | 1,000KG | 3,000KG | |
| Melting Point(Initial) | °C | MIN 105.0 | 114.7 | 114.7 | SCQ-02-10 |
| Heat Loss | wt% | MAX 0.20 | 0.08 | 0.08 | SCQ-02-11 |
| Ash | % | MAX 0.10 | 0.05 | 0.05 | SCQ-02-07 |
| Specific Gravity(25°C) | | 1.0000 ~ 1.1500 | 1.1000 | 1.1000 | SCQ-02-21 |
| Appearance | | OFFWHITEPOWDER | GOOD | GOOD | SCQ-02-14 |
| Gardner Index (4g K-5010L/100ml Toluene) | | MAX 2.0 | 0.2 | 0.2 | SCQ-07-16 |
| Expiry Date | | | 26/04/2024 | 2024.04.27 | |

REFERENCE

I hereby certify that the result of analysis conforms to the standard specification approved.



Jung, HyungJo
General Manager , QA Team
Yeosu Specialty Chemicals Plant

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CERTIFICATE OF ANALYSIS

| | | | |
|--------------|---------------------------------|------------------|---------------|
| Issuing Date | : 02/05/2022 | Certification No | : 20220587441 |
| User | : transform master | Po No | : 1348918 |
| Grade | : KUMANOX 5010L POWDER 20KG BAG | Invoice No | : 20312767 |
| Quantity | : 6,000KG | Production Date | : 27/04/2022 |

| Analysis Item | Unit | Spec. | Lot No & Results | | Method |
|--|------|-----------------|------------------|------------|-----------|
| | | | 220427634 | 220427635 | |
| | | | 3,000KG | 3,000KG | |
| Melting Point(Initial) | °C | MIN 105.0 | 114.7 | 114.7 | SCQ-02-10 |
| Heat Loss | wt% | MAX 0.20 | 0.07 | 0.09 | SCQ-02-11 |
| Ash | % | MAX 0.10 | 0.04 | 0.05 | SCQ-02-07 |
| Specific Gravity(25°C) | | 1.0000 ~ 1.1500 | 1.1000 | 1.1000 | SCQ-02-21 |
| Appearance | | OFFWHITEPOWDER | GOOD | GOOD | SCQ-02-14 |
| Gardner Index (4g K-5010L/100ml Toluene) | | MAX 2.0 | 0.2 | 0.2 | SCQ-07-16 |
| Expiry Date | | | 27/04/2024 | 2024.04.27 | |

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CERTIFICATE OF ANALYSIS

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|--------------|---------------------------------|------------------|---------------|
| Issuing Date | : 02/05/2022 | Certification No | : 20220587443 |
| User | : transform master | Po No | : 1348918 |
| Grade | : KUMANOX 5010L POWDER 20KG BAG | Invoice No | : 20312767 |
| Quantity | : 6,000KG | Production Date | : 27/04/2022 |

| Analysis Item | Unit | Spec. | Lot No & Results | | Method |
|--|------|-----------------|------------------|------------|-----------|
| | | | 220427637 | 220428640 | |
| | | | 3,000KG | 3,000KG | |
| Melting Point(Initial) | °C | MIN 105.0 | 114.7 | 114.7 | SCQ-02-10 |
| Heat Loss | wt% | MAX 0.20 | 0.08 | 0.08 | SCQ-02-11 |
| Ash | % | MAX 0.10 | 0.05 | 0.04 | SCQ-02-07 |
| Specific Gravity(25°C) | | 1.0000 ~ 1.1500 | 1.1000 | 1.1000 | SCQ-02-21 |
| Appearance | | OFFWHITEPOWDER | GOOD | GOOD | SCQ-02-14 |
| Gardner Index (4g K-5010L/100ml Toluene) | | MAX 2.0 | 0.2 | 0.2 | SCQ-07-16 |
| Expiry Date | | | 27/04/2024 | 2024.04.28 | |

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CERTIFICATE OF ANALYSIS

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| Issuing Date | : 02/05/2022 | Certification No | : 20220587465 |
| User | : transform master | Po No | : 1348918 |
| Grade | : KUMANOX 5010L POWDER 20KG BAG | Invoice No | : 20312767 |
| Quantity | : 4,000KG | Production Date | : 30/04/2022 |

| Analysis Item | Unit | Spec. | Lot No & Results | | Method |
|--|------|-----------------|------------------|------------|-----------|
| | | | 220430641 | 220430643 | |
| | | | 3,000KG | 1,000KG | |
| Melting Point(Initial) | °C | MIN 105.0 | 114.8 | 114.7 | SCQ-02-10 |
| Heat Loss | wt% | MAX 0.20 | 0.09 | 0.08 | SCQ-02-11 |
| Ash | % | MAX 0.10 | 0.05 | 0.05 | SCQ-02-07 |
| Specific Gravity(25°C) | | 1.0000 ~ 1.1500 | 1.1000 | 1.1000 | SCQ-02-21 |
| Appearance | | OFFWHITEPOWDER | GOOD | GOOD | SCQ-02-14 |
| Gardner Index (4g K-5010L/100ml Toluene) | | MAX 2.0 | 0.2 | 0.2 | SCQ-07-16 |
| Expiry Date | | | 30/04/2024 | 2024.04.30 | |

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