



# 聯豐恒業商貿有限公司

ALLIED HARVEST (ASIA) COMPANY LIMITED

## Technical data sheet

|  |                                 |                            |                             |                             |
|--|---------------------------------|----------------------------|-----------------------------|-----------------------------|
| <b>Product Platform</b>                    | <b>Water Soluble Fertilizer</b> |                            |                             |                             |
| <b>Product Name</b>                        | <b>WSF – Potassium Nitrate</b>  |                            |                             |                             |
| <b>Molecular Formula</b>                   | <b>KNO<sub>3</sub></b>          |                            |                             |                             |
| <b>CAS Number</b>                          | <b>7757-79-1</b>                |                            |                             |                             |
| <b>Grade</b>                               | <b>13-0-45</b>                  |                            |                             |                             |
| <b>Appearance</b>                          | <b>Crystalline/ Powder</b>      |                            |                             |                             |
| <b>Color</b>                               | <b>White</b>                    |                            |                             |                             |
| <b>Description</b>                         | <b>Unit</b>                     | <b>Specificatio<br/>n*</b> | <b>Typical<br/>Analysis</b> | <b>Reference<br/>method</b> |
| Total Nitrogen(N)                          | Wt-%                            | 13                         | 13.83                       | AOAC 2.4.02                 |
| Nitrate Nitrogen(NO <sub>3</sub> )         | Wt-%                            |                            | 13.57                       |                             |
| Ammoniacal<br>Nitrogen(N-NH <sub>4</sub> ) | Wt-%                            |                            | 0.26                        |                             |
| Potassium (K <sub>2</sub> O)               | Wt-%                            | 45                         | 45.84                       | AOAC 2.5.07                 |
| Moisture(H <sub>2</sub> O)                 | Wt-%                            | <0.4                       | 0.16                        |                             |
| Water Insoluble                            | Wt-%                            | <0.20                      | 0.1                         |                             |
| pH (0.4%)                                  |                                 | 6                          | 6.2                         |                             |
| Solubility in water@ 20 °C                 | g/dm <sup>3</sup>               |                            | 400                         |                             |
| Chloride (Cl)                              | Wt-%                            | <1.5                       | 0.69                        |                             |
| Sodium ( Na)                               | Wt-%                            | <1.5                       | 0.08                        |                             |
| Heavy metals                               |                                 |                            |                             |                             |
| As   | ppm                             |                            | 0.1                         | EPA 6010C                   |
| Co   | ppm                             |                            | 0.5                         | EPA 6010C                   |
| Cd   | ppm                             |                            | 0.1                         | EPA 6010C                   |
| Ni   | ppm                             |                            | 0.25                        | EPA 6010C                   |
| Pb   | ppm                             |                            | 3.96                        | EPA 6010C                   |
| Hg   | ppm                             |                            | 0.013                       | SW 7471A                    |

\*National tolerances shall be applied as per local relevant regulations; e.g. FCO, SASO, EC2003/2003, GB

