



Certificate of Analysis

No.: 2023-0175

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| | | | |
|---|--|------------------|------------|
| Commodity name | Guar Hydroxypropyltrimonium chloride LH-1460 | | |
| Sample locations | Warehouse | Sampling person | Ren Yuewen |
| Sample quantity | 100g | Packing | 25KG/drum |
| Sampling base | 1800kg | Production date | 2023.09.02 |
| Sampling date | 2023.09.03 | Lot No. | 23090201 |
| Inspection standard | Q/GRLH001-2013 | | |
| Items | Test standard | Results | |
| Appearance | yellowish to yellow powder | yellowish powder | |
| Particle size through 120 mesh % | 99 min | 99.9 | |
| Particle size through 200 mesh % | 90 min | 94.1 | |
| Apparent Viscosity μ (1% sol., Brookfield, Spindle 3#, 20 RPM, 25°C), mPa.s | 3500-4500 | 4042 | |
| PH (1.0% sol) | 9.0-10.5 | 9.67 | |
| Nitrogen % | 1.3-1.7 | 1.34 | |
| Ash, % | 3max | 2.1 | |
| Moisture (105°C, 30min.) | 10max | 9 | |
| Total Plate count (CFU/g) | 500max | √ | |
| Moulds and Yeasts (CFU/g) | 100max | √ | |
| Inspection Results: | | | |
| The product is qualified as per standard Q/GRLH001-2013. | | | |
| Remarks: | | | |

Testing person: Zhang Mingjun

Re-check: Wang Hui

Date: 2023/09/04