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| **PRODUCT:** | **GUAR GUM POWDER 5500-6000 (CPS)** | | **Date: APRIL 2025** |
| **BATCH NO.:** | **B/25/04044** | | **Best Before: MARCH 2027** |
| **PARAMETERS** | | **SPECIFICATIONS** | **TEST RESULTS** |
| **ORGANOLEPTIC ANALYSIS** | | | |
| Appearance/Colour | | Cream/White Powder | **Cream/White Powder** |
| Odour | | Natural | **Natural** |
| Taste | | Natural | **Natural** |
| **TECHNICAL SPECIFICATIONS** | | | |
| Gum Content (%) | | more than **80%** | **81.91%** |
| Moisture (%) | | less than **12%** | **10.60%** |
| Protein (%) | | less than **5%** | **3.15%** |
| ASH Content (%) | | less than **1%** | **0.64%** |
| AIR (%) | | less than **6%** | **3.0%** |
| Fat (%) | | less than **1%** | **0.7%** |
| Ph Levels | | **5.5 - 7.0** | **6.7** |
| Arsenic | | less than **3.0 mg/kg** | **0.25 mg/kg** |
| Lead | | less than **2.0 mg/kg** | **0.025 mg/kg** |
| Heavy Metals | | less than **1.0 mg/kg** | **0.025 mg/kg** |
| **PARTICLE SIZE AND GRANULATION** | | | |
| Through 100 Mesh | | **99%** | **100.0%** |
| Through 200 Mesh | | **95% - 99%** | **99.10%** |
| **VISCOSITY** | | | |
| After 2 hours | | ≥ 5500CPS | **5600** (1% solution, W/W, Spindle No. 4, RPM-20, at 25°C, Cold - Brookfield Viscometer - RVDV) |
| After 24 hours | | ≤ 6000CPS | **5700** (1% solution, W/W, Spindle No. 4, RPM - 20, at 25°C, Cold - Brookfield Viscometer - RVDV) |
| **MICROBIOLOGICAL ANALYSIS** | | | |
| APC/gm | | less than 5000 cfu/g | **<100** |
| Yeast & Mould | | less than 500 cfu/g | **Absent** |
| Coliform | | Negative | **Absent** |
| Ecoli | | Negative | **Absent** |
| Salmonella | | Negative | **Absent** |

