

**Protanal® CR 8133** Sodium Alginate, NF, Ph. Eur.**Product Specifications:****Chemical and Physical:****Test Methods**

| | | |
|---------------------------------|----------------------------|---------|
| Loss on drying | 7 to 13% | SOM 1 |
| Viscosity, 2% solution | 100 to 300 mPa's | SOM 82 |
| pH, 2% | 6.4 to 8.0 | SOM 6 |
| Particle size | NLT 95% through 150 micron | SOM 106 |
| Particle size | NLT 85% through 106 micron | SOM 106 |
| Calcium | NMT 0.5% | SOM 7B |
| Ash on DM (800c) | 18.0 to 27.0% | SOM 8C |
| Sulphated Ash (650c) | 30.0 to 36.0% | SOM 8A |
| Powder color | NLT 64 | SOM 105 |
| Chloride | NMT 1.0% | SOM 31 |
| Sodium Alginate content (Assay) | 90.8 to 106% | SOM 2F |
| ID Tests A & B | PASS | SOM 44 |

Microbiological:

| | | |
|--|---------------------|-----------|
| Total viable mesophilic aerobic count (USP) | NMT 200 cfu/g | 201 (EP) |
| Total viable mesophilic aerobic count (Ph Eur) | NMT 2000 cfu/g | 201 (EP) |
| Yeast | NMT 100 cfu/g | 203 (EP) |
| Mould | NMT 100 cfu/g | 203 (EP) |
| Salmonella | Absent in 25g | 205 (EP) |
| Staphylococcus aureus | Absent in 1.0g | 206 (EP) |
| E. coli | Absent in 25g | 204A (EP) |
| Pseudomonas aeruginosa | Absent in 1.0g | 207 (EP) |
| Coliform | Negative by MPN/25g | 204 (EP) |

Heavy Metals:

| | | |
|--------------------|-------------|----|
| Total heavy metals | NMT 20 ppm | 22 |
| Lead | NMT 5 ppm | 22 |
| Arsenic | NMT 1.5 ppm | 22 |

NMT = Not More Than
NLT = Not Less Than



Product Shelf-life / Re-evaluation Date

Recommended store at cool and dry conditions. Keep containers sealed as material is hygroscopic.

Re-evaluation date is 12 months from date of manufacture, if storage conditions stated above are observed.

DuPont recommends that after the above re-evaluation date, the customer considers that loss on drying, pH and viscosity are tested to establish whether material is still within listed specification.

Safety Data Sheets (SDS) available upon request.

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