



# Todo Droga



**accent**  
bonding solutions

**Quality Control**  
**CERTIFICATE OF ANALYSIS**

|               |                                |            |             |
|---------------|--------------------------------|------------|-------------|
| Product       | Microcrystalline Cellulose USP | Batch no   | : 9050266   |
| Customer Name | Aastid International Pvt Ltd.  | Mfg. Month | : May 2020  |
| Grade         | ACCHL 200                      | Exp Month  | : Apr 2025  |
| MOA           | USP 40                         | Batch Qty  | : 3000 kgs. |

| Sr. No                  | Test                                        | Specification                                                                                                                             | Result        |
|-------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1                       | Description                                 | White or almost white. Practically insoluble in water, dilute acid and most of organic solvents. Slightly soluble in dilute NaOH solution | Complies      |
| 2                       | Identification A (Zinc Chloride test)       | Violet- blue colour obtain.                                                                                                               | Complies      |
| 3                       | Identification B (Degree of Polymerization) | NMT 350                                                                                                                                   | Complies      |
| 4                       | Solubility (coppertetramine solution)       | dissolves completely                                                                                                                      | Complies      |
| 5                       | pH                                          | 5.0-7.5                                                                                                                                   | 6.25          |
| 6                       | Conductivity                                | NMT 75 uS/cm                                                                                                                              | Complies      |
| 7                       | Ether - Soluble Substance                   | NMT 0.05% (5.0 mg)                                                                                                                        | 0.0232%       |
| 8                       | Water - Soluble Substance                   | NMT 0.25% (12.5 mg)                                                                                                                       | 0.1345%       |
| 9                       | Loss on Drying                              | NMT 7.0%                                                                                                                                  | 2.62%         |
| 10                      | Heavy Metals                                | NMT 10 PPM                                                                                                                                | Complies      |
| 11                      | Residue on Ignition / Sulphated Ash         | NMT 0.1 %                                                                                                                                 | 0.0632 %      |
| 12                      | Particle Size Distribution                  |                                                                                                                                           |               |
|                         | D <sub>10</sub>                             | ≤ 70µ                                                                                                                                     | 62µ           |
|                         | D <sub>50</sub>                             | 150 - 200µ                                                                                                                                | 165µ          |
|                         | D <sub>90</sub>                             | ≥ 260 µ                                                                                                                                   | 285µ          |
| <b>MICROBIAL LIMITS</b> |                                             |                                                                                                                                           |               |
| 13                      | Total Viable Aerobic Count                  | NMT 1000cfu/g                                                                                                                             | 40            |
| 14                      | Total yeast & Mould Count                   | NMT 100cfu/g                                                                                                                              | Nil           |
| 15                      | Escherichia Coli                            | Absent                                                                                                                                    | Absent        |
| 16                      | Pseudomonas aeruginosa                      | Absent                                                                                                                                    | Absent        |
| 17                      | Staphylococcus aureus                       | Absent                                                                                                                                    | Absent        |
| 18                      | Salmonella species                          | Absent                                                                                                                                    | Absent        |
| <b>In-house test</b>    |                                             | <b>Specification</b>                                                                                                                      | <b>Result</b> |
| 19                      | Bulk Density                                | 0.26 to 0.40 g/ml                                                                                                                         | 0.2965 g/ml   |
| 20                      | Sieve Analysis (% Retention)                |                                                                                                                                           |               |
| 20.1                    | 60 Mesh                                     | ≥ 10.0 %                                                                                                                                  | 14.1360%      |
| 20.2                    | 100 Mesh                                    | ≥ 50.0 %                                                                                                                                  | 60.2356%      |

The raw materials, manufacturing process, and product do not contain any of solvents listed in Organic Volatile Impurities & residual solvents.

Abbreviation : NMT (Not More Than)

Storage recommendation: Preserve in tight containers.

Prepared By

Checked By

Approved By

118P - Internal Survey No. 533P, Faki Kankal, Pirana Road, B. Daxari,  
Dist. Ahmedabad - 382425, Gujarat, India | Phone: +91 2718 786001/296002  
2007 Dabhol - 327, Plot No. 2-50 60-63 B4 Dahol-SEZ Limited, Dahol,  
Dist. Bhavnagar - 382130, Gujarat | India | Phone: +91 75738 05890

Phone: +91 75 4004226/7 3245588/9  
3252263/2 4905495  
Email: info@accentmicrocell.com  
www.accentmicrocell.com  
CIN : 1042703GCL0101201744

Head Office  
314, Shreeji Arcade  
Shreeji Nagar, Amambagar Road,  
Saltillo Ahmedabad - 380015  
Gujarat, India

