



## CERTIFICATE OF ANALYSIS

**UMANG**<sup>®</sup>  
encapsulation solutions

### Name of the Product: SPRAYSPHERES SC (SC-PI-1602-S)

|            |              |                   |             |
|------------|--------------|-------------------|-------------|
| Batch No.  | UP/SC/D26001 | Sample Quantity   | 2 X 50 gm   |
| Batch Size | 8.0 kg       | Dt. of Intimation | 15/04/2026  |
| Mfg. Date  | APR-2026     | A. R. No.         | UP/2604/001 |
| Exp. Date  | MAR-2029     | Dt. of Passing    | 20/04/2026  |

| TEST                          | SPECIFICATION                                                        | RESULTS                                            | REFERENCE |
|-------------------------------|----------------------------------------------------------------------|----------------------------------------------------|-----------|
| <b>Character</b>              |                                                                      |                                                    |           |
| Description                   | Hard, brittle, free flowing, pink colored spheres.                   | Hard, brittle, free flowing, pink-colored spheres. | Visual    |
| <b>Physiochemical</b>         |                                                                      |                                                    |           |
| Solubility                    | Partially soluble in water and insoluble in oils                     | Complies                                           | USTP/013  |
| Particle Size                 | NLT 80 % should pass through 20#<br>NMT 20 % should pass through 30# | Complies                                           | USTP/011  |
| Bulk Density                  | NLT 0.5 gm/cc                                                        | 0.780 gm/cc                                        | USTP/004  |
| pH                            | 3.0 - 8.0                                                            | 6.32                                               | USTP/005  |
| Loss on drying                | NMT 8.0%                                                             | 4.50 %                                             | USTP/001  |
| Leaching test                 | Stable at: pH 3.0<br>Stable at: pH 5.5<br>Stable at: pH 8.0          | Complies<br>Complies<br>Complies                   | USTP/009  |
| <b>Microbial Test</b>         |                                                                      |                                                    |           |
| Total aerobic microbial count | NMT 100 cfu/gm                                                       | 35 cfu/gm                                          | USTP/M001 |
| Total Yeast and Mold count    | NMT 10 cfu/gm                                                        | Nil                                                | USTP/M001 |
| <i>Staphylococcus aureus</i>  | Shall be absent                                                      | Absent                                             | USTP/M002 |
| <i>Pseudomonas aeruginosa</i> | Shall be absent                                                      | Absent                                             | USTP/M002 |
| <i>Escherichia coli</i>       | Shall be absent                                                      | Absent                                             | USTP/M002 |
| <i>Salmonella</i>             | Shall be absent                                                      | Absent                                             | USTP/M002 |

Remark: The above sample complies with prescribed standards of quality as per In-House specification.

|             |                       |              |  |
|-------------|-----------------------|--------------|--|
| Prepared By | Mrs. Pratiksha Niwate | QC Analyst   |  |
| Approved By | Mrs. Seema Patil.     | QC Executive |  |

## UMANG PARTICLE SCIENCE PVT. LTD.

### HEAD OFFICE

Unit 1 & 2, 2nd Floor, Vicino (Mega Mall), New link road,  
Oshiwara, Andheri West, Mumbai, Maharashtra 400102,  
India.

### FACTORY

Survey No. 42/A & B, NH8, Shirsad-Vajreshwari Road,  
Near BB Jadhav High School, Village - Chandip, Taluka-  
Vasai, District- Palghar 401 303, India.