



# SAMI-SABINSA GROUP LIMITED

sami-sabinsagroup.com



No. 30-35 & 40-41 KIADB Industrial Area, Anchepalya Village, Yaliyur Post, Kunigal, Tumkur - 572 130, Karnataka, India

units@sami-sabinsagroup.com

## CERTIFICATE OF ANALYSIS

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**Product Name** : CURCUMIN C3 COMPLEX 80 MESH (CURCUMA LONGA EXTRACT) FJ  
**Product Code** : 0341FJ **SAP Code** : 120000104  
**Batch No.** : C250072E **Date of Manufacture** : Jan 09th - 2025  
**T R No.** : 40000020472 **Date of Expiry** : Jan 08th - 2030

**Category** : Intended for Nutraceutical application  
**Botanical name** : Curcuma longa  
**CAS No** : 84775-52-0  
**Plant part** : Rhizomes  
**Preparation type** : Extraction  
**Solvent (s) used for extraction** : Ethanol  
**Other solvent (s) used in the manufacture** : None  
**Final extract ratio** : 64:1 to 66:1  
**Standardization** : Curcuminoids  
**Excipients used** : None

| Parameter                              | Result      | Limit                                                             | Reference     |
|----------------------------------------|-------------|-------------------------------------------------------------------|---------------|
| <b>Physical</b>                        |             |                                                                   |               |
| Description                            | Complies    | Orange yellow powder                                              | Visual        |
| Identification                         | Complies    | To comply by HPLC                                                 | SLL/STP-C-012 |
| Loss on drying                         | 0.69 % w/w  | Not more than 2.0% w/w (dried at 105°C)                           | USP <731>     |
| Ash content                            | 0.09 % w/w  | Not more than 1.0% w/w                                            | USP <561>     |
| Tapped density                         | 0.72 g/ml   | Between 0.50g/ml and 0.90g/ml                                     | USP <616>     |
| Bulk density                           | 0.42 g/ml   | Between 0.30g/ml and 0.50g/ml                                     | USP <616>     |
| Sieve Test (Passes through)            |             |                                                                   | USP <786>     |
| - 80 mesh                              | 99.86 % w/w | Not less than 95% w/w                                             |               |
| <b>Chemical</b>                        |             |                                                                   |               |
| Assay                                  |             |                                                                   |               |
| -Content of total Curcuminoids by HPLC | 95.21 % w/w | Not less than 95.0% w/w and not more than 102.0% w/w on dry basis | SLL/STP-C-012 |
| Purity by HPLC                         |             |                                                                   |               |
| -Eisdemethoxycurcumin                  | 3.00 %      | Not less than 2.5% and not more than 6.5%                         | SLL/STP-C-012 |
| -Demethoxycurcumin                     | 19.61 %     | Not less than 15.0% and not more than 25.0%                       | SLL/STP-C-012 |

### Corporate Office:

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CIN: U24249KA1991PLC011880



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|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <b>Product Name</b> | : CURCUMIN C3 COMPLEX 80 MESH (CURCUMA LONGA EXTRACT) FJ |
| <b>Batch No.</b>    | : C250072E                                               |

|           |         |                                             |               |
|-----------|---------|---------------------------------------------|---------------|
| -Curcumin | 77.39 % | Not less than 70.0% and not more than 80.0% | SLL/STP-C-012 |
|-----------|---------|---------------------------------------------|---------------|

### Elemental Contaminants (Heavy metals)

|         |                 |                             |            |
|---------|-----------------|-----------------------------|------------|
| Lead    | <0.2 ppm(μg/g)  | Not more than 3.0ppm (μg/g) | USP <2232> |
| Arsenic | <0.2 ppm(μg/g)  | Not more than 1.0ppm (μg/g) | USP <2232> |
| Cadmium | <0.2 ppm(μg/g)  | Not more than 1.0ppm (μg/g) | USP <2232> |
| Mercury | <0.02 ppm(μg/g) | Not more than 0.1ppm (μg/g) | USP <2232> |

### Others

|                                 |                   |                               |             |
|---------------------------------|-------------------|-------------------------------|-------------|
| Residual solvents               |                   |                               | USP <467>   |
| -Ethanol                        | 1620.31 ppm(μg/g) | Not more than 10000ppm (μg/g) |             |
| Residual pesticides             | Complies          | To comply as per USP          | USP <561>   |
| Content of Sudan I by LCMS-MS   | Complies          | Not more than 4.0ppb          | As per TFDA |
| Content of Sudan II by LCMS-MS  | Complies          | Not more than 4.0ppb          | As per TFDA |
| Content of Sudan III by LCMS-MS | Complies          | Not more than 4.0ppb          | As per TFDA |
| Content of Sudan IV by LCMS-MS  | Complies          | Not more than 10.0ppb         | As per TFDA |

### Microbiological Profile

|                                      |            |                         |               |
|--------------------------------------|------------|-------------------------|---------------|
| Total aerobic microbial count        | <100 cfu/g | Not more than 3000cfu/g | USP <2021>    |
| Total yeasts and molds count         | <10 cfu/g  | Not more than 100cfu/g  | USP <2021>    |
| Escherichia coli                     | Complies   | Negative/10g            | USP <2022>    |
| Salmonella                           | Complies   | Negative/10g            | USP <2022>    |
| Staphylococcus aureus                | Complies   | Negative/10g            | USP <2022>    |
| Pseudomonas aeruginosa               | Complies   | Negative/10g            | USP <62>      |
| Bile tolerant Gram negative bacteria | <10 cfu/g  | Not more than 100cfu/g  | USP <2021>    |
| Coliforms                            | Complies   | Negative/10g            | BAM Chapter 4 |

### Additional Information

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Sanitising treatment                | Non-irradiated and not treated with ETO |
| Certification status (Kosher/Halal) | Kosher and Halal certified              |
| BSE/TSE status                      | BSE / TSE free                          |
| Genetic Modification Status         | Non-GMO Project Verified                |

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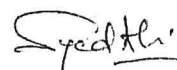
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|                            |                           |
|----------------------------|---------------------------|
| Country of origin          | India                     |
| Cultivated or wild crafted | Cultivated                |
| Storage Condition          | Store at room temperature |

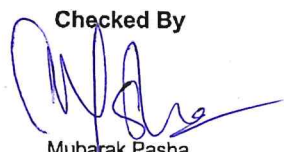
\*Since it is a herbal product, there is likely to be minor colour variation from batch to batch of the product because of the geographical and seasonal variations of the raw material.

\*Natural products can be hygroscopic and may agglomerate sometimes. It is suggested to sift the product before use.

**Remarks** : The product complies as per the specification No. FPS/ARD/123, Issue No. 9 Dated: 28.06.2024**Disclaimer**: Suitability of this product for its particular use is at the sole discretion of the purchaser.**Prepared By**

  
Sayyed Ali S Nadaf  
Senior Manager-QC

**Checked By**

  
Mubarak Pasha  
Senior Manager - Analytical R&D

**Approved By**

  
Dr. Nagarajan A  
Executive Vice President - R&D

**Date:** 16-Jan-2025**Corporate Office:**

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