

## Certificate of Analysis

Date of Testing: 2024-04-18 13:51:10  
Date of Next Testing: 2027-04-18 13:51:10  
Product Name: **Curcumin**  
CAS Number: 458-37-7  
Specifications & Purity:  $\geq 95\%$  (total curcumin content),  $\geq 75\%$  (Curcumin)  
Lot #: D2407163  
SKU #: **C463317**  
**Analysis:** **332146**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                          | Limit Values            | Result                  |
|------------------------------------|-------------------------|-------------------------|
| Purity(HPLC,Total Curcuminoids)    | 95-100 (%)              | 97.90800 %              |
| Carbon by Elemental Analysis       | 64.4-72.6 (%)           | 68.99 %                 |
| Purity(HPLC ,Curcumin)             | 75-100 (%)              | 75.02100 %              |
| Appearance(C463317)                | Yellow to Orange Powder | Yellow to Orange Powder |
| Solubility(1 mg/mL in 95% Ethanol) | pass                    | Pass                    |
| NMR Spectrum 1H                    | Conforms to structure   | Conforms to Structure   |
| 13C NMR Spectrum                   | Conforms to Structure   | Conforms to Structure   |



John Su  
QA & QC Manager