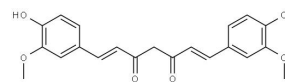


## Technical Data Sheet

### Curcumin

#### Compound Information

|                    |                                                |
|--------------------|------------------------------------------------|
| Product Name:      | Curcumin                                       |
| CAS No.:           | 458-37-7                                       |
| Molecular Formula: | C <sub>21</sub> H <sub>20</sub> O <sub>6</sub> |
| Molecular Weight:  | 368.38                                         |
| Revision Date:     | 2026-04-15                                     |



#### Analytical Information

| Tests                   | Specifications                                                   |
|-------------------------|------------------------------------------------------------------|
| Native Source           | Turmeric rhizome                                                 |
| Appearance              | Orange-yellow powder                                             |
| Identification          | Consistent with structure and standard                           |
| Purity (HPLC)           | 95.44% (Dried basis)                                             |
| Residue on Ignition     | 0.19%                                                            |
| Solubility              | ethanol: 10 mg/mL                                                |
| Visual Transition Range | pH 7.4 (Yellow) - pH 8.6 (Red); pH 10.2 (Red) - pH 11.8 (Orange) |
| Loss on Drying          | 0.15% at 105 °C                                                  |
| Arsenic                 | < 0.1 ppm                                                        |
| Cadmium                 | < 0.1 ppm                                                        |
| Lead                    | < 0.50 ppm                                                       |
| <a href="#">MS</a>      | Pass test                                                        |
| <a href="#">1H NMR</a>  | Pass test                                                        |
| <a href="#">13C NMR</a> | Pass test                                                        |
| <a href="#">IR</a>      | Pass test                                                        |
| <a href="#">Raman</a>   | Pass test                                                        |

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