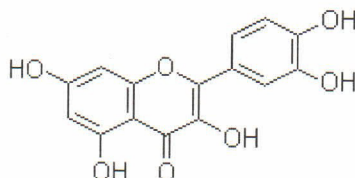


## Quercetin

Batch no TKQ-240311  
Mf date Mar 11 2024  
Retest Mar 10 2027  
Batch size 1,000 kgs

### Molecular Structure



Molecular Formula  $C_{15}H_{10}O_7$   
Molecular Weight 302.24  
CAS Registry Number 117-39-5

Sep 10 2025

| Tests                 | Specifications                  | Results  |
|-----------------------|---------------------------------|----------|
| Appearance            | Yellow powder                   | Conforms |
| Odor & taste          | Characteristic                  | Conforms |
| Melting point         | 305 ~ 315°C                     | 312°C    |
| Loss on drying        | 8 ~ 12%                         | 9.56%    |
| Sulfate ash           | ≤ 0.5%                          | 0.22%    |
| Heavy metals          | ≤ 10 ppm                        | Conforms |
| As                    | ≤ 2 ppm                         | Conforms |
| Pb                    | ≤ 1 ppm                         | Conforms |
| Cd                    | ≤ 1 ppm                         | Conforms |
| Hg                    | ≤ 0.1 ppm                       | Conforms |
| Pesticide residue     | Acephate ≤ 0.1 ppm              | Conforms |
|                       | Methamidophos ≤ 0.1 ppm         | Conforms |
|                       | Parathion ≤ 0.1 ppm             | Conforms |
|                       | PCNB ≤ 10 ppb                   | Conforms |
| Microbiological tests | Total plate count ≤ 1000 cfu/gr | Conforms |
|                       | Yeast & mold ≤ 100 cfu/gr       | Conforms |
|                       | E. coli: Negative               | Negative |
|                       | Salmonella: Negative            | Negative |
| Particle size         | 100% pass 80 mesh               | Conforms |
| Assay (HPLC)          | ≥ 95.0%                         | 96.03%   |

|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| Packaging & storage | Store in cool & dry place not freeze.<br>Keep away from strong light and heat |
| Conclusion          | Material complies with in house standard                                      |