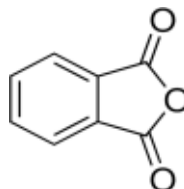


# Certificate of Analysis

**Product Name:**  
**Phthalic anhydride**

**Product Number:** 320064  
**Batch Number:** MKBQ6257V  
**CAS Number:** 85-44-9  
**MDL Number:** MFCD00005918  
**Formula:** C<sub>8</sub>H<sub>4</sub>O<sub>3</sub>  
**Formula Weight:** 148.12 g/mol



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Flakes	Flakes
Melting Point	128.0 - 134.0 °C	130.8 °C
Infrared Spectrum	Conforms to Structure	Conforms
Morpholine Titration by HCl	99.0 - 100.2 %	99.3 %
Residue on ignition (Ash)	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.002 %	< 0.002 %
Iron (Fe)	≤ 5 ppm	< 1 ppm
Heavy Metals (as Lead)	≤ 5 ppm	< 2 ppm
Sulfate (SO <sub>4</sub> )	≤ 0.003 %	< 0.003 %
Meets ACS Requirements Tenth Edition	Current ACS Specification	Conforms