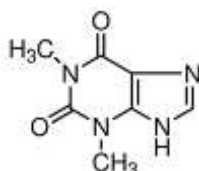


TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

### THEOPHYLLINE ANHYDROUS 99% EXTRAPURE

1,3-Dimethylxanthine, 3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione, 2,6-Dihydroxy-1,3-dimethylpurine



<b>Product Code</b>	O-5290	<b>Grade</b>	Analytical Reagent
<b>Purity</b>	99 %	<b>CAS No</b>	58-55-9
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>8</sub> N <sub>4</sub> O <sub>2</sub>	<b>Molecular Weight</b>	180,16 g/mol
<b>H.S.Code</b>	2905.1100	<b>Shelf Life</b>	60 Months

## Physical Properties

<b>Physical state</b>	powder	<b>Colour</b>	White
<b>Melting point</b>	274 - 275 °C	<b>Density</b>	1,36 g/cm <sup>3</sup> at 25 °C
<b>Solubility in water</b>	5,5 g/l at 19,9 °C	<b>Partition coefficient: n-octanol/wate</b>	log Pow: -0,008 at 23 °C
<b>Autoignition temperature</b>	610 °C at 1.013 hPa		

## Packaging

100 gram

## Specification

Appearance	White crystalline powder
Assay (Alkalimetric )	min 99.0 %
Melting ponit	271 - 273 °C
Loss on drying	Max 0.5 %

## Safety Information and Hazard Symbols



Symbol: not available: GHS06, GHS08

Signal Word: danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301-H360D

Precaution Statement: P202-P264-P280-P301+P310-P405-P501

Labotiq