

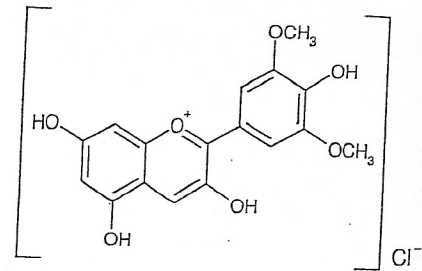


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HPLC Batch: 27

MALVIDIN CHLORIDE 020913S

IDENTIFICATION

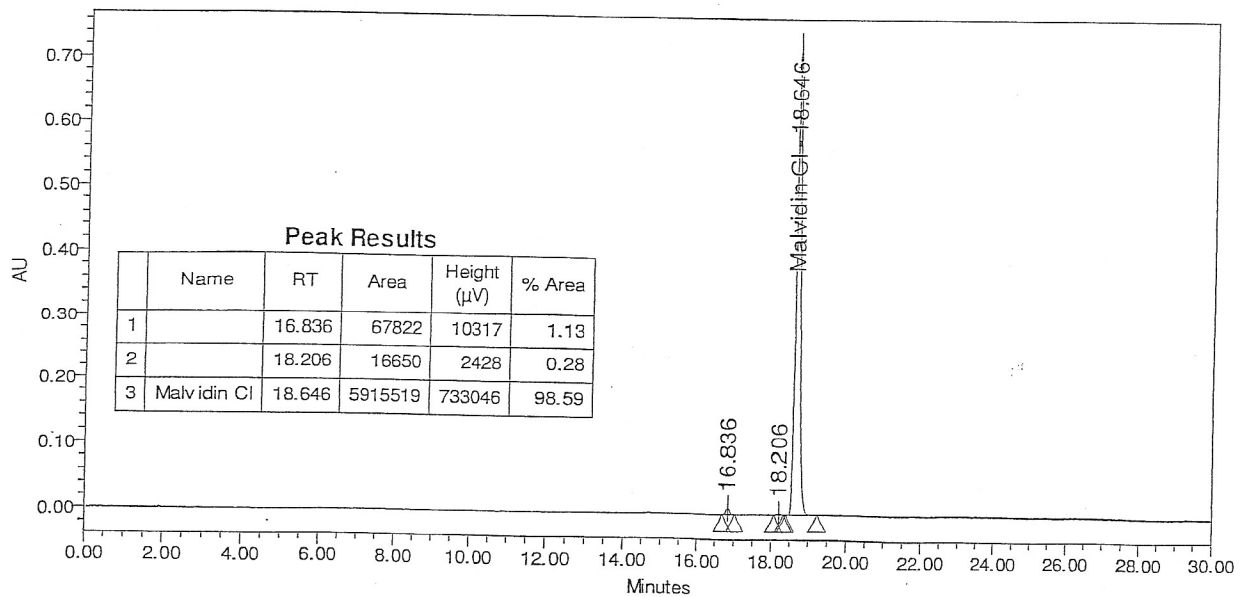
CAS number [643-84-5]
 Chemical family Anthocyanins
 Molecular formula C₁₇H₁₅O₇Cl
 Molecular weight 366.75

CERTIFICATE OF ANALYSIS

Appearance Black-red powder
 Thin layer chromatography support Cellulose
 solvent Hydrochloric acid / acetic acid / water (7/70/23, V/V/V)
 detection Visible
 Absorption maxima 547 nm in methanol + 0.1% HCl
 Storage Store at room temperature in a dry and dark place.
 Place in a desiccator under vacuum before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Atlantis dC18® (4.6 x 150 mm), particle size 3 µm
 Solvent 20 mn linear gradient from 5 to 60% B and 5 mn linear gradient from 60 to 100% B then 5 mn isocratic 100% B A=water + 10% formic acid B=methanol
 Flow rate 1 ml/min
 Detector UV visible 540 nm
 Sample solvent Methanol + 0.1% HCl



Assay by an HPLC method.
 Date of last QC-recheck : April 2012
 Date of retest : April 2016

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.