

VEER-CHEMIE & AROMATICS PRIVATE LIMITED

A-4, CO-OPERATIVE INDUSTRIAL ESTATE

BALANAGAR, HYDERABAD - 500 037

The Drugs Act 1940 Rules thereunder**CERTIFICATE OF ANALYSIS**

Contract No : FS140730 Date : 30.07.2014

Name of the Product : **METHYL NICOTINATE**

Batch No : 017072014/M

Quantity : 450 Kgs

Date of Mfg. : July'2014

Date of Expiry : June'2018

Date of Analysis: 06.08.2014

A.R.No : M/017/2014

TESTS**OBSERVATIONS****SPECIFICATIONS****I. Characters**

- A) Appearance : White powder
B) Solubility : Conforms

White or almost white powder.
Very soluble in water, in ethanol
(96%) and in methylene chloride.

II. Identification

- A) Melting Point : 41.9 °C
B) IR Absorption : Conforms
C) Thin layer Chromatography : Conforms
D) Colour Test : Conforms

40 to 42 °C
Test as per EP
Test as per EP
Test as per EP

III. Tests**01. Related substances
by HPLC**

Test as per EP

- A) Impurity A : 0.046%
B) Other Impurity : Not detected
C) Total Impurity : 0.046%

Not more than 0.1%
Not more than 0.1%
Not more than 0.5%

02. Chlorides : 100 ppm
03. Water : 0.11%w/w
04. Sulphated Ash : 0.024%w/w
05. Assay : 99.93%w/w
(By Titration)

Not more than 200 ppm
Not more than 0.5%w/w
Not more than 0.1%w/w
Not less than 99.0%w/w and
Not more than 101.0%w/w of
C₇H₇NO₂ (Anhydrous substance)

ADDITIONAL TESTS**I. Residual Solvents**

- a) Benzene : Not detected
b) Methanol : Not detected
c) Toluene : Not detected

Max. 2 ppm
Max. 3000 ppm
Max. 890 ppm

II. Microbiological Analysis :

- a) Total aerobic Microbial count : <10 cfu/g
b) Total combined Yeast & Mould count : <10 cfu/g

Not more than 1000 Cfu/g
Not more than 100 Cfu/g

Storage condition: Should be protected from light

Report: The material complies with the prescribed/stated standards of EP 8.0.

ANALYSED BY:

CHECKED BY

COUNTERSIGNED BY:

K.RAMESH KUMAR

M.CHANDRASEKHAR
MANAGER QCG.SANKARANARAYANA
MANAGER QA