

# Certificate of Analysis

## Inno C16

**Product Name** Inno C16  
**CAS No.** 544-76-3  
**Lot No.** 03-650719  
**Test Date** 21/7/2022  
**Intended Use** For industrial encapsulation, coating and laboratory use only

### Analysis

Item	Test Method	Specification	Result	Unit
Appearance (at 30 °C)	Visual	Clear liquid	Clear liquid	-
Density (at 30 °C)	Pycnometer	0.76 - 0.78	0.77	g/ml
Purity	GC-FID	≥ 99.2	99.6	% wt.
Melting Point	ASTM E 794-06	17.5 - 19.5	18.4	°C
Enthalpy of Fusion	ASTM E 793-06	≥ 210	228	J/g

### Remark:

Signature: \_\_\_\_\_

Ratchasak Upatum, QC Supervisor

Date: 20/7/2022

Wuttinan Panmaluak, Plant Director

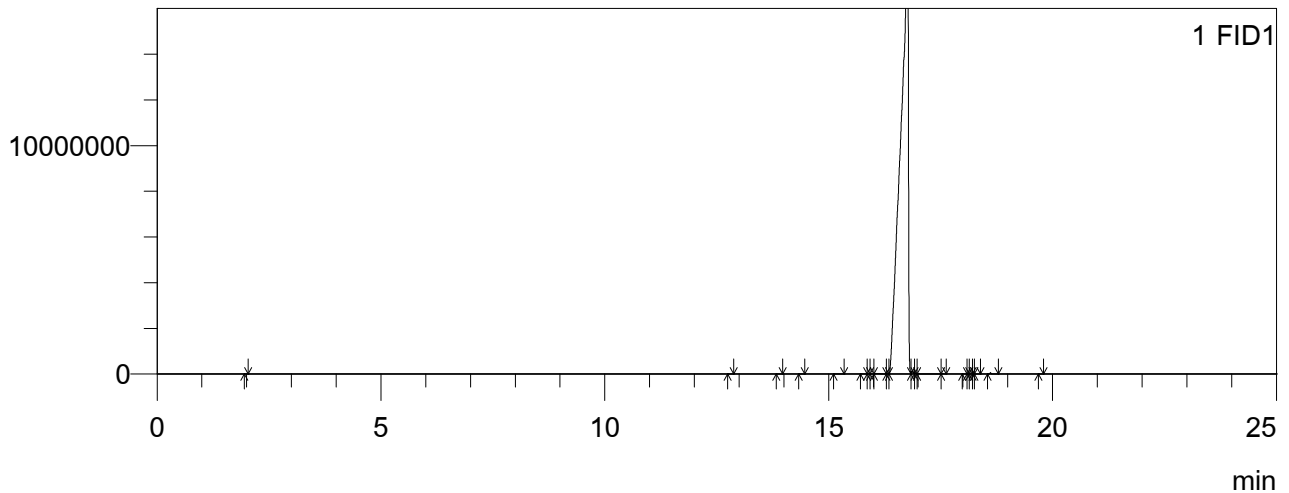
# GC-FID Analysis Report

## Sample Information

Sample Name : Inno C16 LOT 03-650719  
 Sample ID :  
 Method Filename : 25 min (n-Paraffin Mk-9)-2 for GC2.gcm  
 Batch Filename : 1.gcb  
 Vial # : 2  
 Injection Volume : 1 uL  
 Date Acquired : 20/7/2565 18:06:47  
 Date Processed : 20/7/2565 18:58:29

## Chromatogram

uV



## Peak Table

FID1

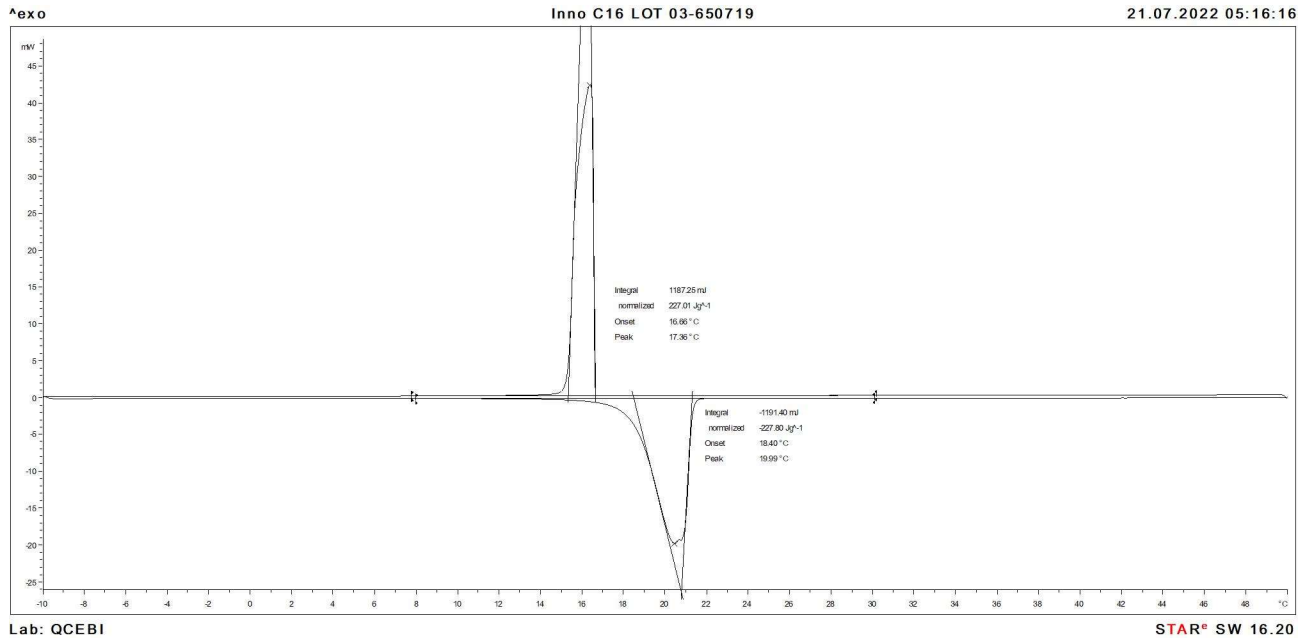
Peak#	Ret. Time	Area	Height	Area%
1	1.969	1423	932	0.001
2	12.801	1164	444	0.001
3	13.880	1558	766	0.001
4	14.375	4655	1846	0.002
5	15.172	18559	5530	0.008
6	15.784	13438	3189	0.006
7	15.902	9299	2965	0.004
8	15.973	32523	8059	0.014
9	16.056	221921	23001	0.097
10	16.338	18519	6436	0.008
11	16.772	227329926	18105294	99.553
12	16.858	353070	123030	0.155
13	16.930	69775	32055	0.031
14	17.009	103078	25767	0.045
15	17.554	47674	25450	0.021
16	18.030	6951	2139	0.003
17	18.112	1583	814	0.001
18	18.179	2145	909	0.001
19	18.237	1238	616	0.001

Peak#	Ret. Time	Area	Height	Area%
20	18.312	3867	909	0.002
21	18.614	106258	55918	0.047
22	19.722	1107	541	0.000
Total		228349732	18426613	100.000

# Inno C16 LOT 03-650719

Date: 21/7/2022

Report: Inno C16 LOT 03-650719, 21.07.2022 05:16:16



**Sample:** Inno C16 LOT 03-650719

**Sample Holder:** Aluminum Standard 40ul  
Material: Aluminum

**Method:** ASTM E 738,739 mp, hf and cooling  
Released  
dt 1.00 s  
[1] -10.0 °C, 5.00 min, N2 40.0 ml/min  
[2] -10.0..50.0 °C, 2.00 K/min, N2 40.0 ml/min  
[3] 50.0 °C, 5.00 min, N2 40.0 ml/min  
[4] 50.0..-10.0 °C, -2.00 K/min, N2 40.0 ml/min  
[5] -10.0 °C, 2.00 min, N2 40.0 ml/min  
Synchronization enabled

**Results:** Integral 1187.25 mJ  
normalized 227.01 Jg<sup>-1</sup>  
Onset 16.66 °C  
Peak 17.36 °C

# Inno C16 LOT 03-650719

Date: 21/7/2022

**Sample:** Inno C16 LOT 03-650719

**Sample Holder:** Aluminum Standard 40ul

Material: Aluminum

**Method:** ASTM E 738,739 mp, hf and cooling

Released

dt 1.00 s

[1] -10.0 °C, 5.00 min, N2 40.0 ml/min

[2] -10.0..50.0 °C, 2.00 K/min, N2 40.0 ml/min

[3] 50.0 °C, 5.00 min, N2 40.0 ml/min

[4] 50.0..-10.0 °C, -2.00 K/min, N2 40.0 ml/min

[5] -10.0 °C, 2.00 min, N2 40.0 ml/min

Synchronization enabled

**Results:** Integral -1191.40 mJ

normalized -227.80 Jg<sup>-1</sup>

Onset 18.40 °C

Peak 19.99 °C