



Analysis Report

Report No.: SHC21081068-01ER1

Date: 2021-09-29

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Applicant : Xi'an Jiaotong University

Address : No. 28, Xianning West Road, Xi'an City, Shaanxi Province

Sample Information:

Sample Name : Bubble water

Sample Specification : /

Sample Status : Liquid

Sample Quantity : 1

Above information and sample(s) was/were submitted and certified by/on behalf of the applicant. ICAS was not responsible for the authenticity of the sample, and quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

Sample No. : C21081068-01

Date of Sample Received : 2021.08.23

Analysis Content:

Analysis Item(s) : The analysis of components

Analysis Result(s) : Please refer to next page(s).

Prepared by:

陈浩

Reviewed by:

马小亮

Approved by:

孙阳





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Analysis Result:

Components and Contents:

Number	Name of components	Mass percentage/%	Grade/ CAS NO.	Function
1	Cocoamidopropyl betatine	~0.5-0.8	CAB	Surfactant
2	Ethoxylated isodecyl alcohol	~0.3-0.5	XL-80	Surfactant
3	Polyquaternium	~0.1-0.3	M550	Surfactant
4	Dimethyloldimethyl hydantoin*	~0.01-0.03	DMDMH	Fungicide
5	Sucrose	~0.05-0.1	57-50-1	/
6	Water	~98.0-99.0	/	Solvent

“*” Materials are inferred through industry experience or fragmentation information.

1、 Physico-chemical parameters
1.1 The solid content of this product is 1.23%.
2、 Raw material recommendation
/
3、 Process recommendation
/
4、 Solutions and suggestions
/



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Figure

1、IR

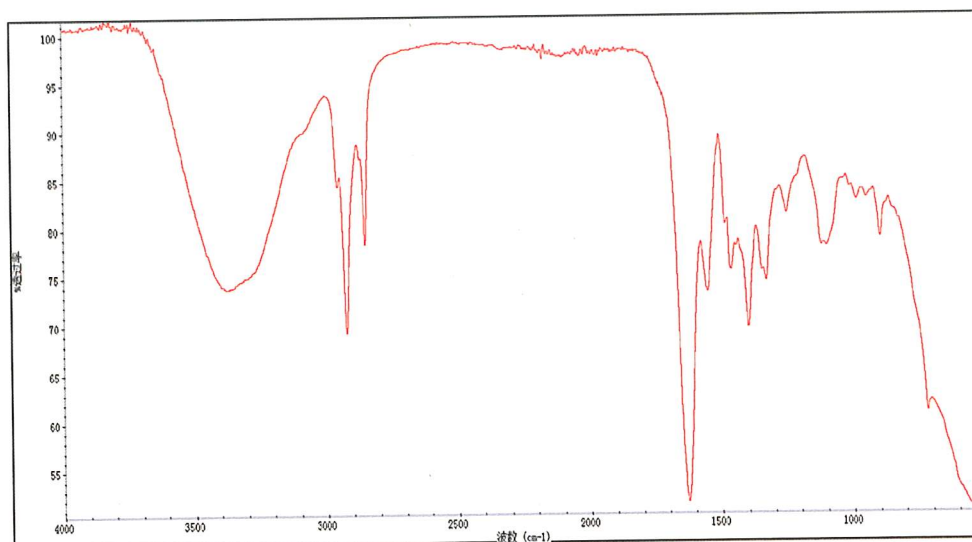


Fig. 1

2、GC-MS

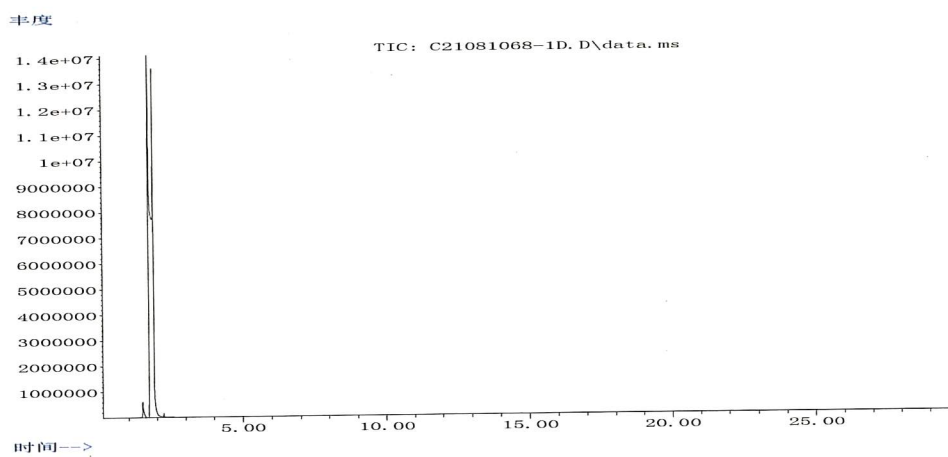


Fig. 2

3、NMR



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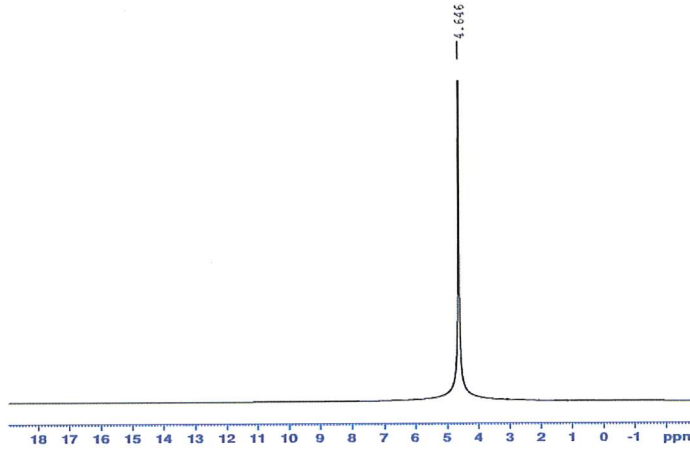


Fig. 3



```

Current Data Parameters
NAME: C21081068-1.rfid
EXPNO: 1
PROCNO: 1

F2 - Acquisition Parameters
Date_ : 20210826
Time: 0
INSTRUM: Varian
PROBHD:
PULPROG: a2pul1
TD: 78948
SOLVENT:
NS: 20
DS: 0
SWH: 13157.895 Hz
FIDRES: 0.168865 Hz
AQ: 3.0000241 sec
RG: 2
DH: 38.000 usec
DE: 8.50 usec
TE: 298.0 K
D1: 2.0000000 sec
TD0: 1

----- CHANNEL f1 -----
SFO1: 599.7769895 MHz
NUC1: 1H
P1: 11.00 usec
PL1: 0 dB

F2 - Processing parameters
SI: 131072
SF: 599.7721913 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00
    
```

4、XRF

Sample : C21081068-1-XRF
 Operator:
 Comment : 100deg/min , use Filter paper
 Group : [Qual-Quant.]Std-FilterPaper
 Date : 2021-08-26 17:35

[Quantitative Result]

Analyte	Result	Proc-Calc	Line	Net Int.	BG Int.
	12.5042 mg/cm2	Total			
C1	143.5574 mg/1	Quant.-FP	ClKa	3.521	0.591
Na	98.5776 mg/1	Quant.-FP	NaKa	0.186	0.040
Ca	45.9208 mg/1	Quant.-FP	CaKa	2.158	0.883
S	6.5510 mg/1	Quant.-FP	S Ka	0.393	0.230
C6H105	12.5000 mg/cm2	Fix			

Fig. 4

5、MS

C21081068-1-MS #16 RT: 0.21 AV: 1 NL: 6.52E6
 T: FTMS (1,2) - p ESI Full ms [50.00-1000.00]

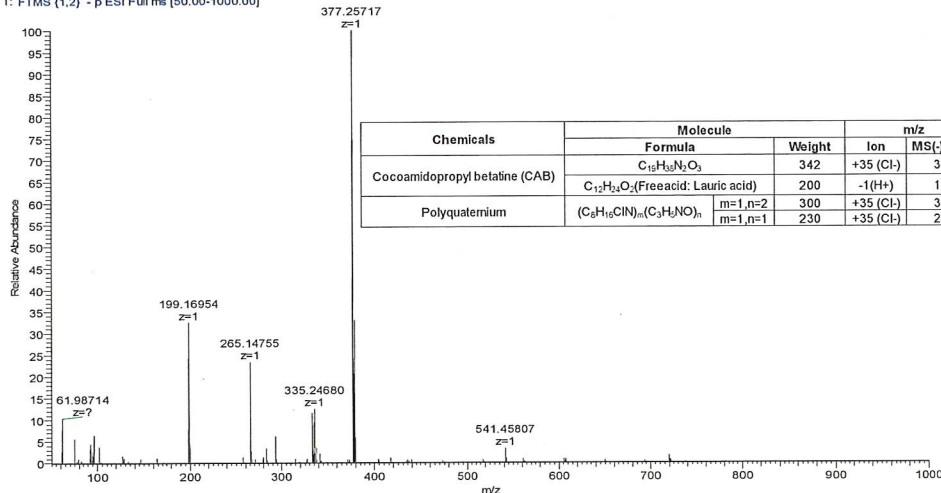


Fig. 5



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Sample Photo



This photo is limited to use with this ICAS Report

Additional notes for the report:

This report replaces the original report C21081068-01, which is invalid.

*** End of the report***

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