



CERTIFICATE OF ANALYSIS

Product Name: AICAR
CAS No.: 2627-69-2
Batch No.: A-280621-2
MFG: 28.06.2021

Testing Items	Specifications	Results
1	2	3
Appearance	White powder	Conform
Identification	MS ESI (M+Na) ⁺ , (2M+Na) ⁺	Conform
	HPLC, retention time	Conform
Purity (HPLC)	≥98%	99,85%
Water	≤1,0%	0,6%
Residue on ignition	≤1,0%	0.05 %
Heavy metal	≤10ppm	Conform
Aerobic bacteria	≤1000 CFU/g	Conform
Yeasts and moulds	≤100 CFU/g	Conform
E.Coli	Negative	Negative

Conclusion: the product complies with specification



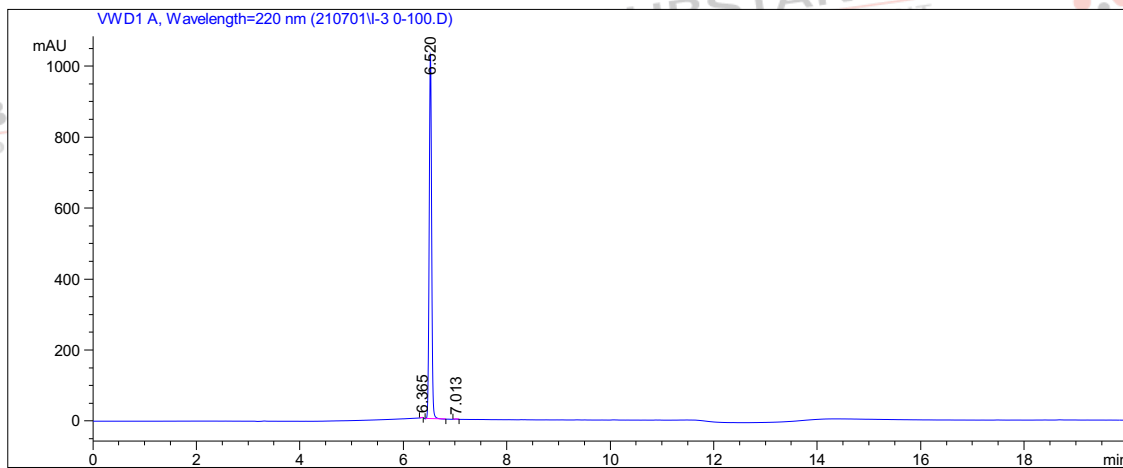
UV chromatogram:

Data File D:\DATA\210701\I-3 0-100.D
Sample Name: I-3

```

=====
Acq. Operator   :                               Seq. Line :    2
Acq. Instrument : Instrument 1                 Location  : Vial 92
Injection Date  : 7/1/2021 12:44:21 PM      Inj       :    1
                                           Inj Volume:    2 µl

Acq. Method     : D:\METHODS\CHROM_ADC_PN.m
Last changed    : 7/1/2021 12:53:12 PM
Analysis Method : D:\METHODS\CHROM_25_30.m
Last changed    : 7/2/2021 4:46:54 PM
Sample Info     : Column: Reprosil-Pur Basic C18 250*4.6 mm 5µm
                  A: H2O 0,01% tfa  B: MeCN 0,01% tfa
                  5-100 %B at 20min
=====
    
```



Area Percent Report

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Signal 1: VWD1 A, Wavelength=220 nm

Peak #	RetTime [min]	Type	Width [min]	Area mAU	Area %	Height [mAU]
1	6.365	MM	0.0301	2.67835	0.0796	1.48502
2	6.520	MM	0.0539	3361.40625	99.8505	1039.48621
3	7.013	MM	0.0518	2.35484	0.0700	7.57771e-1

Totals : 3366.43944 1041.72900

*** End of Report ***



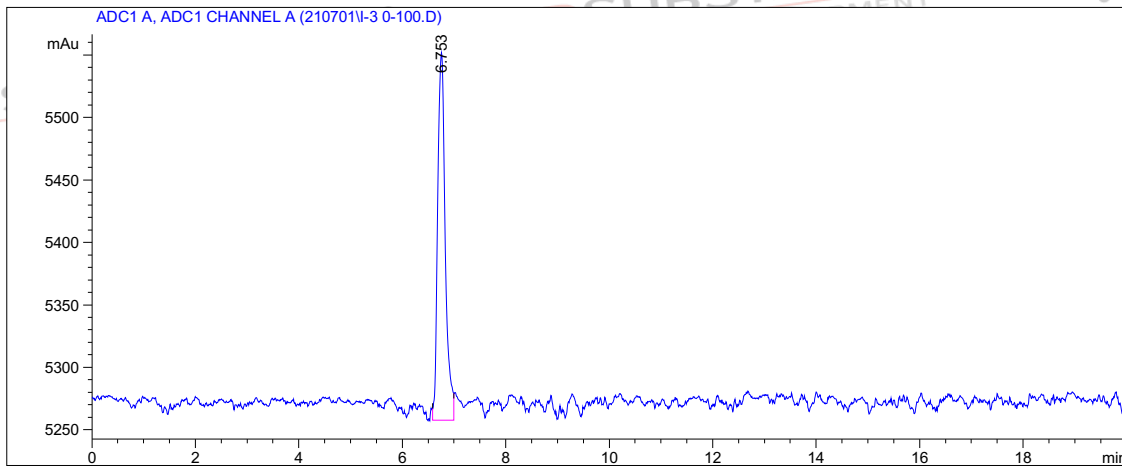
ELSD chromatogram:

Data File D:\DATA\210701\I-3 0-100.D
Sample Name: I-3

```

=====
Acq. Operator   :                               Seq. Line :    2
Acq. Instrument : Instrument 1                 Location  : Vial 92
Injection Date  : 7/1/2021 12:44:21 PM        Inj       :    1
                                           Inj Volume:    2 µl

Acq. Method     : D:\METHODS\CHROM_ADC_PN.m
Last changed    : 7/1/2021 12:53:12 PM
Analysis Method : D:\METHODS\CHROM_25_30.m
Last changed    : 7/2/2021 4:46:54 PM
Sample Info     : Column: Reprosil-Pur Basic C18 250*4.6 mm 5µm
                  A: H2O 0,01% tfa  B: MeCN 0,01% tfa
                  5-100 %B at 20min
=====
    
```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Signal 1: ADC1 A, ADC1 CHANNEL A

Peak #	RetTime [min]	Type	Width [min]	Area [mAu*s]	Height [mAu]	Area %
1	6.753	VV	0.1546	3016.59009	294.35825	100.0000

Totals : 3016.59009 294.35825

*** End of Report ***

**Mass spectrum:**

Analysis Name: I-3 0-100.D
Method: CHROM_ADC_PN.M
Sample Name: I-3
Analysis Info: Column: Reprisil-Pur Basic C18 250*4.6 mm 5um
A: H2O 0,01% tfa B: MeCN 0,01% tfa
5-100 %B at 20min
Instrument: LC-MSD-Trap-SL
Operator: LCMS

Print Date: 7/2/2021 4:50:36 PM
Acq. Date: 7/1/2021 12:44:27 PM

