

Certified Reference Material - Certificate of Analysis

Norcarfentanil, Primary Measurement Standard

4-[(1-Oxopropyl)phenylamino]-4-piperidinecarboxylic acid methyl ester oxalate

Product No.: N-127-1ML Lot No.: FN03131902

Description of CRM: Norcarfentanil oxalate in Methanol (Solution)

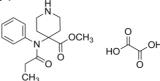
Nominal concentration is adjusted for oxalate content.

Retest Date: November 2021 See Section "Stability Assessment".

Storage: Store unopened in freezer (-10 °C to -25 °C). See Section "Stability Assessment". Shipping:

Chemical formula: $C_{16}H_{22}N_2O_3 \bullet C_2H_2O_4$

CAS No.: NA



Cerilliant Quality

ISO 17034

ISO/IEC 17025

ISO 13485

ISO 14001

ISO 9001

Δηαίντε	Certified Concentration \pm associated uncertainty U, $u=k*u \ (k=2)$
Norcarfentanil	1.000 ± 0.006 mg/mL

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken

chain of comparisons. See "Details on metrological traceability" on page 2.

The certified value is calculated from high precision weighing of thoroughly **Measurement method:**

characterized starting material. See "Details about certification process" on

page 2.

This Certified Reference Material is suitable for the in vitro identification, Intended use:

calibration, and quantification of the analyte(s) in analytical and R&D

applications. Not suitable for human or animal consumption.

1 μL for quantitative applications Minimum sample size:

Instructions for handling and correct

use:

Concentration is corrected for chromatographic purity, residual solvents and residual inorganics. No adjustment required before use.

Users should quantitatively transfer desired volume using established good

laboratory practices to spike into matrix or to dilute to the desired

concentration. Each ampoule is intended for one-time use.

Nominal concentration is adjusted for oxalate content. No adjustment required

Health and safety information:

Danger. Please refer to the Safety Data Sheet for detailed information about

the nature of any hazard and appropriate precautions to be taken.

Cerilliant Corp. is accredited by the US accreditation authority ANAB as **Accreditation:**

registered reference material producer AR-1353 in accordance with ISO 17034

and registered testing laboratory AT-1352 according to ISO/IEC 17025.



March 28, 2019

Darron Ellsworth, Quality Assurance Manager

Issue Date

Packaging: 2 mL amber USP Type 1 glass ampoule containing not less than 1 mL of

certified solution. Ampoules are overfilled to ensure a minimum of 1 mL volume can be transferred when using a 1mL Class A volumetric pipette.

Details on starting materials:

Each raw material utilized has been identified and thoroughly characterized through the use of multiple analytical techniques and is assigned a Mass Balance Purity Factor. Spectral data is provided on subsequent pages of this

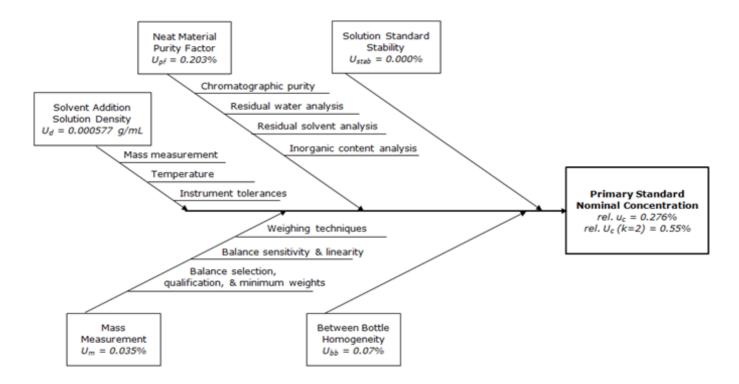
CoA.

Certificate of Origin: Cerilliant Corporation certifies no material of animal origin (BSE/TSE) was used

in the preparation of this product. This material was manufactured in the USA.

Associated uncertainty:

The uncertainty has been calculated by statistical analysis of all aspects of our production system and incorporated uncertainty of the mass balance purity factor, material density, balance, weighing technique, and homogeneity. Uncertainty components of the gravimetrically prepared Primary Standard concentration are shown in the figure below. Uncertainty is expressed as an expanded uncertainty in accordance with ISO 17034 at the approximate 95% confidence interval using a coverage factor of k=2. Uncertainty contribution from neat material homogeneity was established to be negligible through establishment of process controls and verification of the control process. Stability uncertainty was determined to be negligible by regression analysis.



Details on metrological traceability:

- This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error.
- Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances.
- The density and material Mass Balance Purity Factor of each raw material is traceable to the SI and higher order reference materials through mass measurement and instrument qualification and calibrations.

Details about certification process:

This standard has been prepared and certified under the ISO 17034, ISO/IEC 17025, ISO 9001 and ISO 13485 standards. This standard meets the requirements of a Certified Reference Material and a Primary Standard as defined by ISO and is traceable to the SI and higher order standards through an unbroken chain of comparisons.

- Nominal concentration is calcuated based on: the actual mass; Mass balance purity factor of the analyte(s); measured mass of the solution; and the density of the pure diluent at 20°C.
- Fill volume is gravimetrically verified throughout the dispensing process using qualified and calibrated balances.
- Concentration is verified against an independently prepared calibration solution gravimetrically prepared.
- Additional certification information available upon request.

Solution Standard Verification

Concentration accuracy and within- and between-bottle homogeneity are analytically verified against an independently prepared calibration solution.

Solution standard verification demonstrates confirmation that the specified requirements for the Primary Measurement Standard have been fulfilled and validated under ISO 13485.

Standard Solution Assay Parameters

Analysis Method: HPLC/UV

Column: Ascentis Express C18, 2.7 μm, 3.0 x 100 mm

Mobile Phase: Acetonitrile:0.1% Phosphoric acid in Water

(20:80)

Flow Rate: 1.2 mL/min
Wavelength: 210 nm

Calibration Curve

Calibration Curve: Linear Regression

Number of Points: 4

Linearity (r): 1.000

		Verified Concentration (mg/mL)	%RSD - Homogeneity
Standard Solution	Lot Number	Actual Results	Actual Results
New Lot	FN03131902	1.007	0.6

- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration solution.
- Within-sample and between-sample homogeneity of the New Lot is ensured through rigorous production process
 controls statistically analyzed to evaluate risk and verified by analysis. Multiple samples pulled from across the
 lot using a random stratified sampling plan were analyzed to verify homogeneity. % RSD results shown above for
 the New Lot demonstrate ampoule-to-ampoule homogeneity.

Analyte Certification - Mass Balance Purity Factor

Each analyte is thoroughly identified and characterized using an orthogonal approach. A mass balance purity factor is assigned incorporating chromatographic purity and residual impurities. The mass balance purity factor and salt adjustment are utilized to calculate the weighing adjustment necessary to ensure accuracy of the solution standard concentration.

Material Name:Norcarfentanil oxalateMolecular Weight (base):290.36Material Lot:FN09181803Molecular Weight (salt):380.39Chemical Formula: $C_{16}H_{22}N_2O_3 \bullet C_2H_2O_4$ Salt Adjustment:1.310

CAS Number: NA

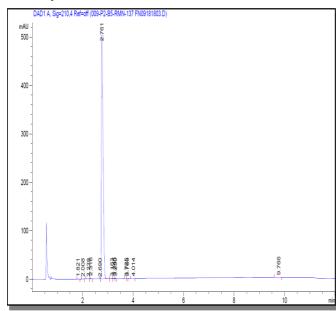
Material Characterization Summary				
Analytical Test	Results			
Primary Chromatographic Purity by HPLC/UV Analysis	SP10-0102	99.5%		
Secondary Chromatographic Purity by LC/MS Analysis	SP10-0107	>99.9%		
Identity by LC/MS Analysis	SP10-0107	Consistent with Structure		
Identity by ¹ H-NMR Analysis	USP <761>, SP10-0116	Consistent with Structure		
Residual Solvent Analysis by GC/FID Headspace	AM1087 ¹	Below Quantitation Limit		
Residual Water Analysis by Karl Fischer Coulometry	AM1346 ¹ 0.45%			
Mass Balance Purity Factor	99.06%			

¹ Validated analytical method

- The primary chromatographic purity is calculated as the average of two independently performed analyses utilizing two different methods. Acceptance criteria requires the purity values to be within 0.5% of each other.
- The primary purity method was selected to optimize resolution of impurities while minimizing degradation of the analyte. Secondary purity methods with orthogonal detector capabilities from the primary purity method are used as controls to confirm an accurate purity value.
- The primary chromatographic purity value is used to calculate the Mass Balance Purity Factor.
- A secondary chromatographic purity method is utilized as a control.
- Mass Balance Purity Factor = [(100 wt% residual solvent wt% residual water wt% residual inorganics) x Chromatographic Purity/100].
- Mass Balance Purity Factor does not include adjustment for chiral and/or isotopic purity.

Spectral and Physical Data

HPLC/UV



Column: Ascentis Express Phenyl-Hexyl,

 $2.7 \mu m$, $3.0 \times 100 mm$

Mobile Phase: A: Acetonitrile

B: 0.1% Phosphoric acid in Water

 Gradient:
 Time (min)
 % A
 % B

 0.0
 10
 90

 8.0
 70
 30

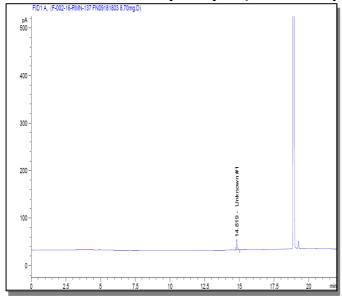
10.0 70 30 10.1 10 90

Flow Rate: 0.7 mL/min Wavelength: 210 nm

Sample Name: FN09181803 **Acquired:** January 17, 2019

Peak #	Ret Time	Area %
1	1.82	0.03
2	2.01	0.02
3	2.23	0.02
4	2.32	0.15
5	2.69	0.01
6	2.76	99.48
7	3.16	0.05
8	3.25	0.12
9	3.29	0.03
10	3.73	0.01
11	3.77	0.01
12	4.01	0.02
13	9.77	0.07

Residual Solvent Analysis by GC/FID Headspace



Column: DB-ALC1 30 m x 0.53 mm,

3 µm film thickness

Temp Program: 40°C hold 12 min to 220°C at

40°C/min hold 5.5 min

Carrier Gas:HeliumFlow Rate:2.0 mL/minDetector Heater Temp:250°C

Injector: Headspace Sampler

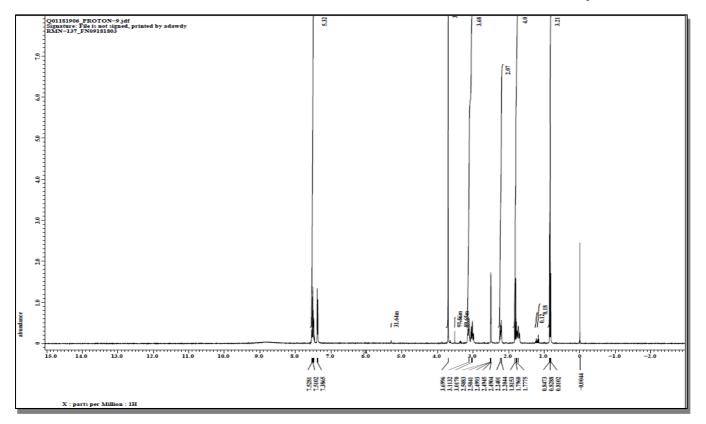
HS Oven Temp: 60°C **Vial Equilibration:** 10 minutes

Sample Name: FN09181803 **Acquired:** January 23, 2019

Peak	Compound	Area	Weight %
1	Unknown #1	79.61	BQL
2	NMP	NA	NA
Total			BQL

BQL - Below Quantitation Limit

1H NMRInstrument: JEOL ECS 400
Solvent: DMSO-D₆



LC/MS

Column: Ascentis Express C18, 2.7 μm,

3.0 x 50 mm

Mobile Phase: A: 0.1% Formic acid in Water

B: Acetonitrile

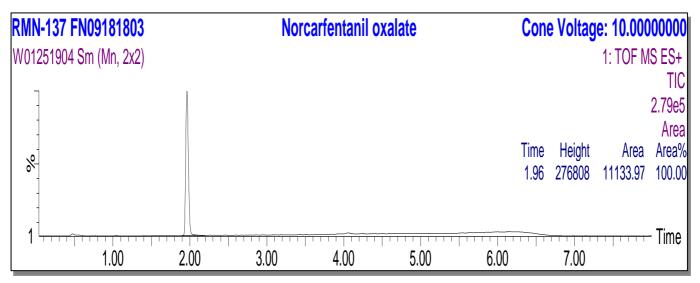
Gradient:

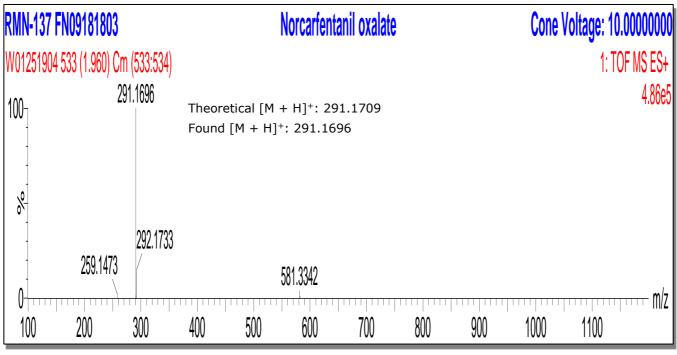
Time (min)	% A	% B
0.0	90	10
0.5	90	10
4.0	50	50
5.8	50	50
6.0	90	10
8.0	90	10

Flow Rate: 0.4 mL/min
Scan Range: 100-1200 amu

Ionization: Electrospray, Positive Ion
Instrument: Waters XEVO G2 QTOF

Acquired: January 25, 2019





Stability

Short term stability studies have been performed under accelerated conditions for a period of up to four weeks. Short term data is utilized to predict long term stability and to support transport conditions and normal laboratory use. Real-time stability studies are performed at the recommended storage conditions over the life of the product.

Short Term Stability: A summary of accelerated stability findings for this product is listed below.

Storage Condition	Mean Kinetic Temperature (MKT)	Time Period/Result
Freezer	-15°C	
Refrigerator	4°C	No decrease in purity was noted after
Room Temperature	21°C	four weeks.
40°C	40°C	

Transport/Shipping: Stability studies support the transport of this product at ambient conditions.

Long Term Stability: Long term stability has been assessed for Freezer storage (-10 °C to -25 °C) conditions. Stability of a minimum of 20 months has been established through real-time stability studies.

Commutability

This standard is a solution of a pure substance in an organic solvent and is a Primary Standard. This Primary Standard is suitable for use in the preparation of calibrators and/or controls in any biological matrix. This standard is not in a biological matrix and therefore commutability to methods or standards in biological matrices does not apply.

COA Revision History

Revision No.	Date	Reason for Revision
00	March 28, 2019	Initial version.



Certified Reference Material - Certificate of Analysis

Norcarfentanil-13C₆ , Primary Measurement Standard

4-[(1-Oxopropyl)phenylamino]-4-piperidinecarboxylic acid methyl ester- 13 C 6 oxalate

ISO 17034 ISO/IEC 17025

Cerilliant Quality

30/IEC 1/025

ISO 13485

ISO 9001

 Product No.:
 N-128-1ML

 Lot No.:
 FN03131901

Description of CRM: Norcarfentanil-¹³C₆ oxalate in Methanol (Solution)

Nominal concentration is adjusted for oxalate content.

Retest Date: November 2021 See Section "Stability Assessment".

Storage: Store unopened in freezer (-10 °C to -25 °C).

Shipping: Ambient. See Section "Stability Assessment".

Chemical formula: $C_{10}^{13}C_{6}H_{22}N_{2}O_{3} \cdot C_{2}H_{2}O_{4}$

CAS No.: NA

* NOCH3 HOOH

ы

Δησίντο	Certified Concentration \pm associated uncertainty U, $u=k*u \ (k=2)$
Norcarfentanil- ¹³ C ₆	1.000 ± 0.006 mg/mL

Metrological traceability: Traceable to the SI and higher order standards from NIST through an

unbroken chain of comparisons. See "Details on metrological traceability" on

page 2.

Measurement method: The certified value is calculated from high precision weighing of thoroughly

characterized starting material. See "Details about certification process" on

page 2.

Intended use: This Certified Reference Material is suitable for the in vitro identification,

calibration, and quantification of the analyte(s) in analytical and R&D

applications. Not suitable for human or animal consumption.

Minimum sample size: 1 μL for quantitative applications

Instructions for handling and correct

use:

Concentration is corrected for chromatographic purity, residual water, residual

solvents and residual inorganics. No adjustment required before use.

Users should quantitatively transfer desired volume using established good

laboratory practices to spike into matrix or to dilute to the desired

concentration. Each ampoule is intended for one-time use.

Nominal concentration is adjusted for oxalate content. No adjustment required

before use.

For MS Applications, we advise laboratories not to mix lots during a single

sequence.

Health and safety information:

Danger. Please refer to the Safety Data Sheet for detailed information about

the nature of any hazard and appropriate precautions to be taken.

Accreditation: Cerilliant Corp. is accredited by the US accreditation authority ANAB as

registered reference material producer AR-1353 in accordance with ISO 17034

and registered testing laboratory AT-1352 according to ISO/IEC 17025.



Ded

December 16, 2020

Issue Date

Packaging: 2 mL amber USP Type 1 glass ampoule containing not less than 1 mL of

certified solution. Ampoules are overfilled to ensure a minimum of 1 mL volume can be transferred when using a 1mL Class A volumetric pipette.

Details on starting materials:

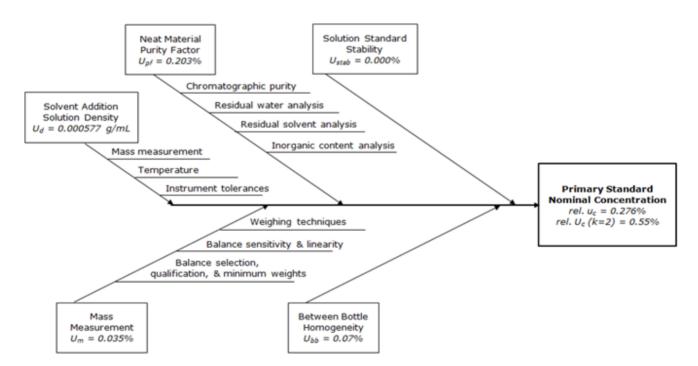
Each raw material utilized has been identified and thoroughly characterized through the use of multiple analytical techniques and is assigned a Mass Balance Purity Factor. Spectral data is provided on subsequent pages of this

CoA.

Certificate of Origin: Cerilliant Corporation certifies no material of animal origin (BSE/TSE) was used in the preparation of this product. This material was manufactured in the USA.

Associated uncertainty:

The uncertainty has been calculated by statistical analysis of all aspects of our production system and incorporated uncertainty of the mass balance purity factor, material density, balance, weighing technique, and homogeneity. Uncertainty components of the gravimetrically prepared Primary Standard concentration are shown in the figure below. Uncertainty is expressed as an expanded uncertainty in accordance with ISO 17034 at the approximate 95% confidence interval using a coverage factor of k=2. Uncertainty contribution from neat material homogeneity was established to be negligible through establishment of process controls and verification of the control process. Stability uncertainty was determined to be negligible by regression analysis.



Details on metrological traceability:

- This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error.
- Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances.
- The density and material Mass Balance Purity Factor of each raw material is traceable to the SI and higher order reference materials through mass measurement and instrument qualification and calibrations.

Details about certification process:

This standard has been prepared and certified under the ISO 17034, ISO/IEC 17025, ISO 9001 and ISO 13485 standards. This standard meets the requirements of a Certified Reference Material and a Primary Standard as defined by ISO and is traceable to the SI and higher order standards through an unbroken chain of comparisons.

- Nominal concentration is calcuated based on: the actual mass; Mass balance purity factor of the analyte(s); measured mass of the solution; and the density of the pure diluent at 20°C.
- Fill volume is gravimetrically verified throughout the dispensing process using qualified and calibrated balances.
- Concentration is verified against an independently prepared calibration solution gravimetrically prepared.
- Additional certification information available upon request.

Solution Standard Verification

Concentration accuracy and within- and between-bottle homogeneity are analytically verified against an independently prepared calibration solution.

Solution standard verification demonstrates confirmation that the specified requirements for the Primary Measurement Standard have been fulfilled and validated under ISO 13485.

Standard Solution Assay Parameters

Analysis Method: HPLC/UV

Column: Ascentis Express C18, 2.7 μm, 3.0 x 100 mm **Mobile Phase:** Acetonitrile:0.1% Phosphoric acid in Water

(20:80)

Flow Rate: 1.2 mL/min
Wavelength: 210 nm

Calibration Curve

Calibration Curve: Linear Regression

Number of Points: 4
Linearity (r): 1.000

		Verified Concentration (mg/mL)	%RSD - Homogeneity
Standard Solution	Lot Number	Actual Results	Actual Results
New Lot	FN03131901	0.993	0.8

- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration solution.
- Within-sample and between-sample homogeneity of the New Lot is ensured through rigorous production process
 controls statistically analyzed to evaluate risk and verified by analysis. Multiple samples pulled from across the
 lot using a random stratified sampling plan were analyzed to verify homogeneity. % RSD results shown above
 for the New Lot demonstrate ampoule-to-ampoule homogeneity.

Analyte Certification - Mass Balance Purity Factor

Each analyte is thoroughly identified and characterized using an orthogonal approach. A mass balance purity factor is assigned incorporating chromatographic purity and residual impurities. The mass balance purity factor and salt adjustment are utilized to calculate the weighing adjustment necessary to ensure accuracy of the solution standard concentration.

Material Name:Norcarfentanil- 13 C₆ oxalateMolecular Weight (base):296.31Material Lot:FN09261801Molecular Weight (salt):386.25Chemical Formula: C_{10}^{13} C₆H₂₂N₂O₃ • C₂H₂O₄Salt Adjustment:1.304

CAS Number: NA

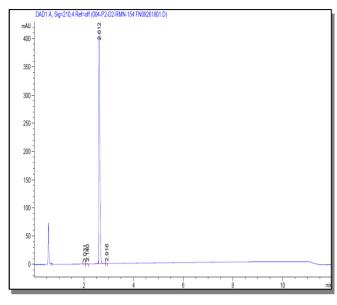
Material Characterization Summary					
Analytical Test	Method	Results			
Primary Chromatographic Purity by HPLC/UV Analysis	SP10-0102	99	.9%		
Secondary Chromatographic Purity by GC/FID Analysis	SP10-0101	99.	.9%		
Identity by LC/MS Analysis	SP10-0107	Consistent with Structure			
		0.00% ¹³ C ₀ vs ¹³ C ₆			
Isotopic Purity and Distribution by LC/MS SIM Analysis	SP10-0107	0.00% ¹³ C ₀	0.05% ¹³ C ₄		
		0.00% ¹³ C ₁	3.33% ¹³ C ₅		
		0.00% ¹³ C ₂	96.62% ¹³ C ₆		
		0.00% ¹³ C ₃			
Identity by ¹ H-NMR Analysis	USP <761>, SP10-0116	Consistent with Structure			
Residual Solvent Analysis by GC/FID Headspace	AM1087 ¹	None Detected			
Residual Water Analysis by Karl Fischer Coulometry	AM1346 ¹	Below Quantitation Limit			
Inorganic Content by Microash Analysis	SP10-0135	< 0.2%			
Mass Balance Purity Factor 99.93%			93%		

¹ Validated analytical method

- The primary chromatographic purity is calculated as the average of two independently performed analyses utilizing two different methods. Acceptance criteria requires the purity values to be within 0.5% of each other.
- The primary purity method was selected to optimize resolution of impurities while minimizing degradation of the analyte. Secondary purity methods with orthogonal detector capabilities from the primary purity method are used as controls to confirm an accurate purity value.
- The primary chromatographic purity value is used to calculate the Mass Balance Purity Factor.
- A secondary chromatographic purity method is utilized as a control.
- Mass Balance Purity Factor = [(100 wt% residual solvent wt% residual water wt% residual inorganics)
 x Chromatographic Purity/100].
- Mass Balance Purity Factor does not include adjustment for chiral and/or isotopic purity.

Spectral and Physical Data

HPLC/UV



Column: Ascentis Express C18, 2.7 μm,

3.0 x 100 mm

Mobile Phase: A: Acetonitrile

B: 0.1% Phosphoric acid in Water

% B

Gradient: $\frac{\text{Time (min)}}{0.0}$

 0.0
 10
 90

 8.0
 70
 30

 10.0
 70
 30

 10.1
 10
 90

% A

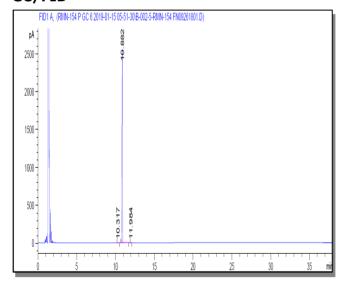
Flow Rate: 0.7 mL/min Wavelength: 210 nm

Sample Name: Acquired:

FN09261801 January 14, 2019

Peak #	Ret Time	Area %
1	2.03	0.03
2	2.14	0.04
3	2.61	99.92
4	2.92	0.02

GC/FID



Column: DB-5ms, 30 m x 0.53 mm ID,

1.5 µm film thickness

Temp Program: 40°C to 200°C at 40°C/min

200°C to 280°C at 5°C/min

hold 18 min

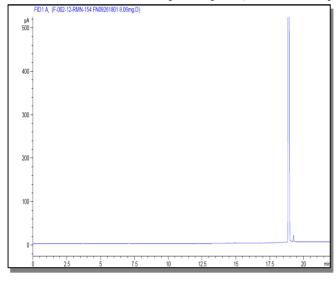
Injector Temp: Cool-on-Column

Detector Temp: 325°C

Sample Name: FN09261801 Acquired: January 15, 2019

Peak #	Ret Time	Area %
1	10.32	0.06
2	10.88	99.92
3	11.98	0.02

Residual Solvent Analysis by GC/FID Headspace



Column: DB-ALC1 30 m x 0.53 mm,

 $3\ \mu m$ film thickness

Temp Program: 40°C hold 12 min to 220°C at

40°C/min hold 5.5 min

Carrier Gas: Helium
Flow Rate: 2.0 mL/min
Detector Heater Temp: 250°C

Injector: Headspace Sampler

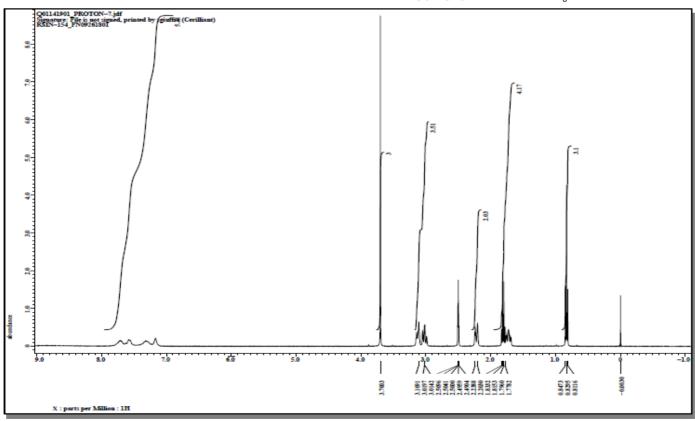
HS Oven Temp: 60°C **Vial Equilibration:** 10 minutes

Sample Name: FN09261801 **Acquired:** January 15, 2019

Peak	Compound	Area	Weight %
1	NMP	NA	NA
Total			ND

ND - None Detected

1H NMRInstrument: JEOL ECS 400
Solvent: DMSO-D₆



LC/MS

Column: Ascentis Express C18, 2.7 μm,

3.0 x 50 mm

Mobile Phase: A: 0.1% Formic acid in Water

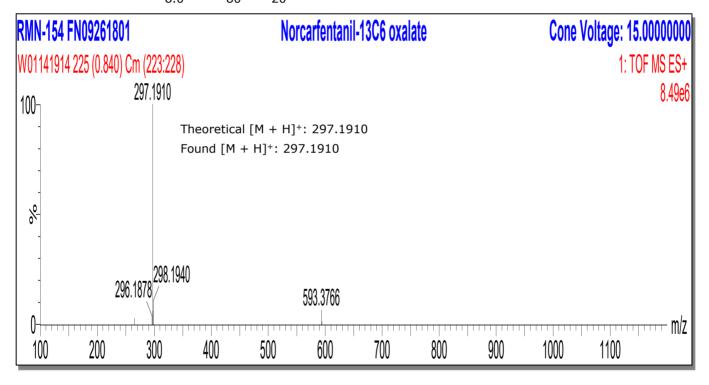
B: Acetonitrile

Gradient: Time (min) % A % B

0.0 80 20 0.5 80 20 4.0 20 80 5.8 20 80 80 20 6.0 8.0 80 20

Flow Rate: 0.4 mL/min Scan Range: 100-1200 amu

Ionization: Electrospray, Positive Ion
Instrument: Waters XEVO G2 QTOF
Acquired: January 14, 2019



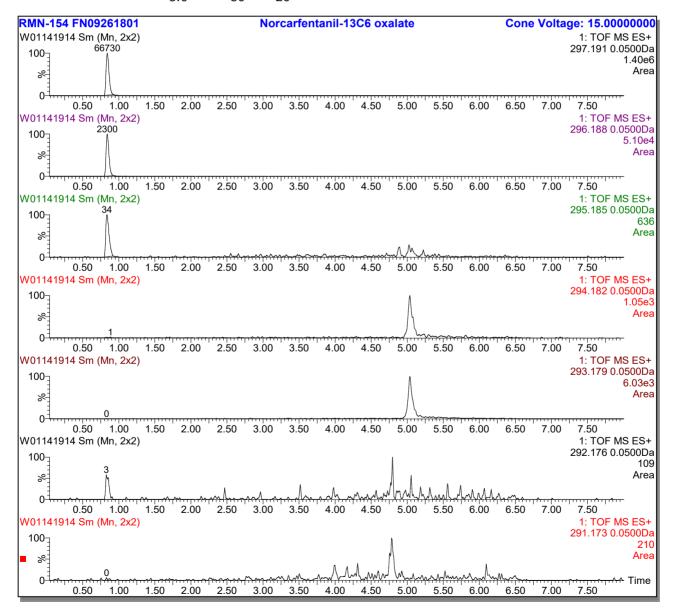
Isotopic Purity by LC/MS SIM

Column: Ascentis Express C18, 2.7 μ m, Flow Rate: 0.4 mL/min 3.0 x 50 mm Scan Range: 291-297 amu

Mobile Phase: A: 0.1% Formic acid in Water Ionization: Electrospray, Positive Ion B: Acetonitrile Instrument: Waters XEVO G2 QTOF

Gradient: Time (min) % A % B Acquired: January 14, 2019

Time (min)	% A	% B
0.0	80	20
0.5	80	20
4.0	20	80
5.8	20	80
6.0	80	20
8.0	80	20



Stability

Short term stability studies have been performed under accelerated conditions for a period of up to four weeks. Short term data is utilized to predict long term stability and to support transport conditions and normal laboratory use. Real-time stability studies are performed at the recommended storage conditions over the life of the product.

Short Term Stability: A summary of accelerated stability findings for a related product (N-114-0.5ML, Norcarfentanil Oxalate) is listed below.

Storage Condition	Mean Kinetic Temperature (MKT)	Time Period/Result
Freezer	-15°C	
Refrigerator	4°C	No decrease in purity was noted after
Room Temperature	21°C	four weeks.
40°C	40°C	

Transport/Shipping: Stability studies support the transport of this product at ambient conditions.

Long Term Stability: Long term stability has been assessed for Freezer storage (-10 °C to -25 °C) conditions. Stability of a minimum of 20 months has been established through real-time stability studies.

Commutability

This standard is a solution of a pure substance in an organic solvent and is a Primary Standard. This Primary Standard is suitable for use in the preparation of calibrators and/or controls in any biological matrix. This standard is not in a biological matrix and therefore commutability to methods or standards in biological matrices does not apply.

COA Revision History

Revision No.	Date	Reason for Revision
00	March 28, 2019	Initial version.
01	April 17, 2020	Updated Retest Date of May 2020 to February 2021.
		Added Long Term Stability data.
02	December 16, 2020	Updated Retest Date of February 2021 to November 2021.