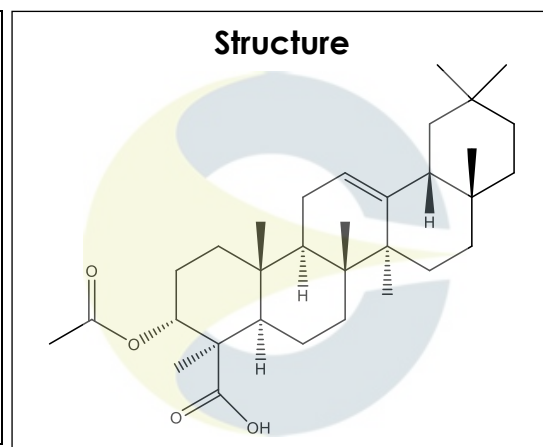


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PRODUCT NAME	3-Acetyl-alpha-Boswellic acid
PART NUMBER	00002560
STANDARD TYPE	Primary (P)
LOT NUMBER	00002560-01B
REPORT NUMBER	CDXA-RSS-9632-00
SAMPLE NUMBER	CDXP-22-00001
DATE OF SAMPLE	01/05/2022
DATE OF REPORT	02/01/2022



CHEMICAL NAMES	(3 α ,4 β)-3-(Acetyloxy)-olean-12-en-23-oic acid; α -Boswellic acid acetate
CHEMICAL FORMULA	C ₃₂ H ₅₀ O ₄
MOLECULAR WEIGHT (MW)	498.74
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[89913-60-0]
EC#(EINECS)	805-346-3
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	98.3%
HPLC	0.700.10.2.METH22	≥ 90%	98.9%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Methanol – 6220 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 98.3% IS BASED ON (100 - 0.6 SOLVENTS - 0.0 WATER) X 98.9% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	01/2027 under the above conditions.



Digitally signed by
Tiffany Rodgers
Date: 2022.02.01
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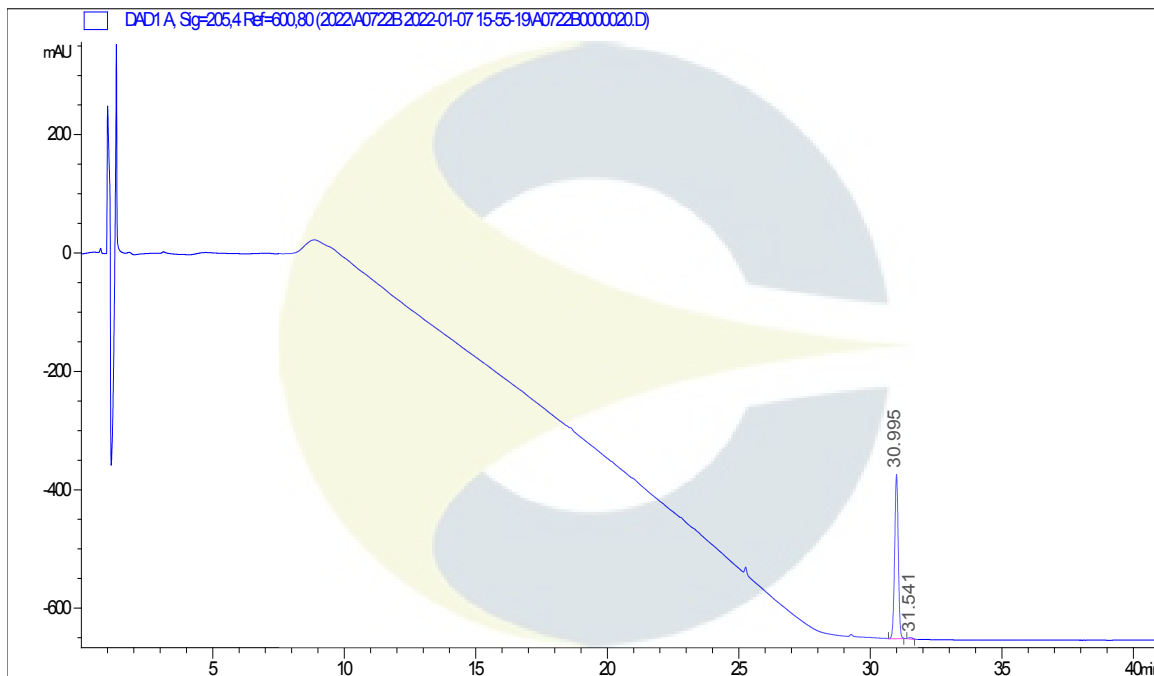
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	2.0 µL
INJECTION CONC.	0.7 mg/mL in Methanol
DETECTION	205 ± 2 nm

HPLC CHROMATOGRAM OF 3-ACETYL-ALPHA-BOSWELIC ACID (CDXP-22-00001)



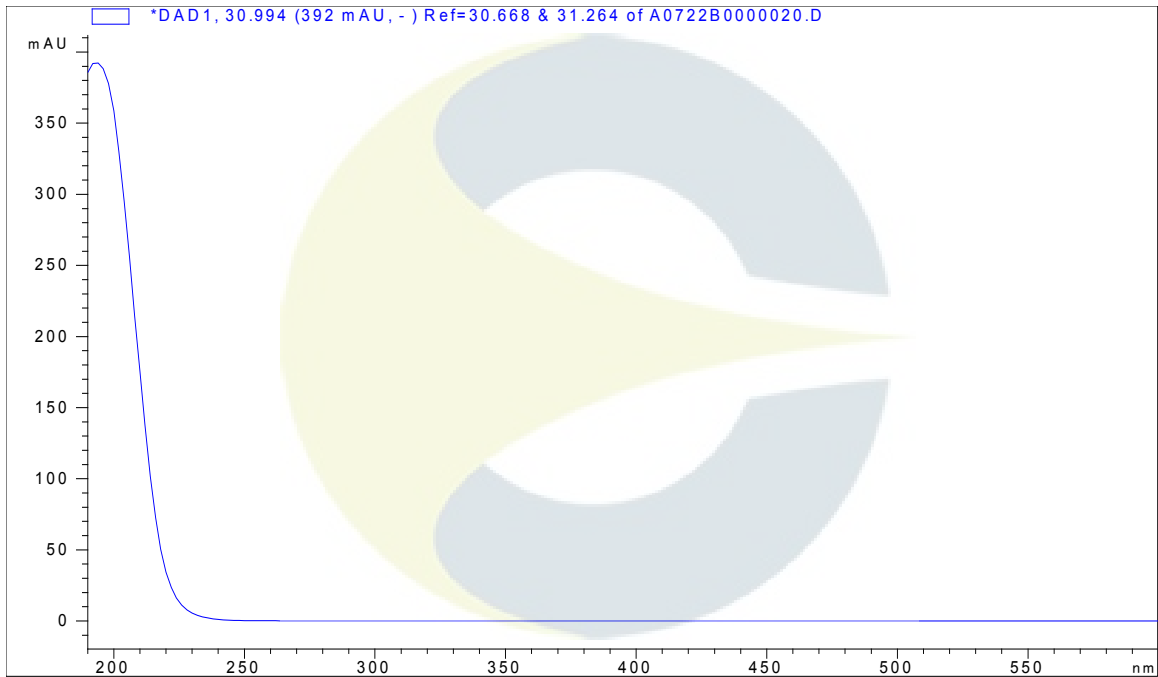
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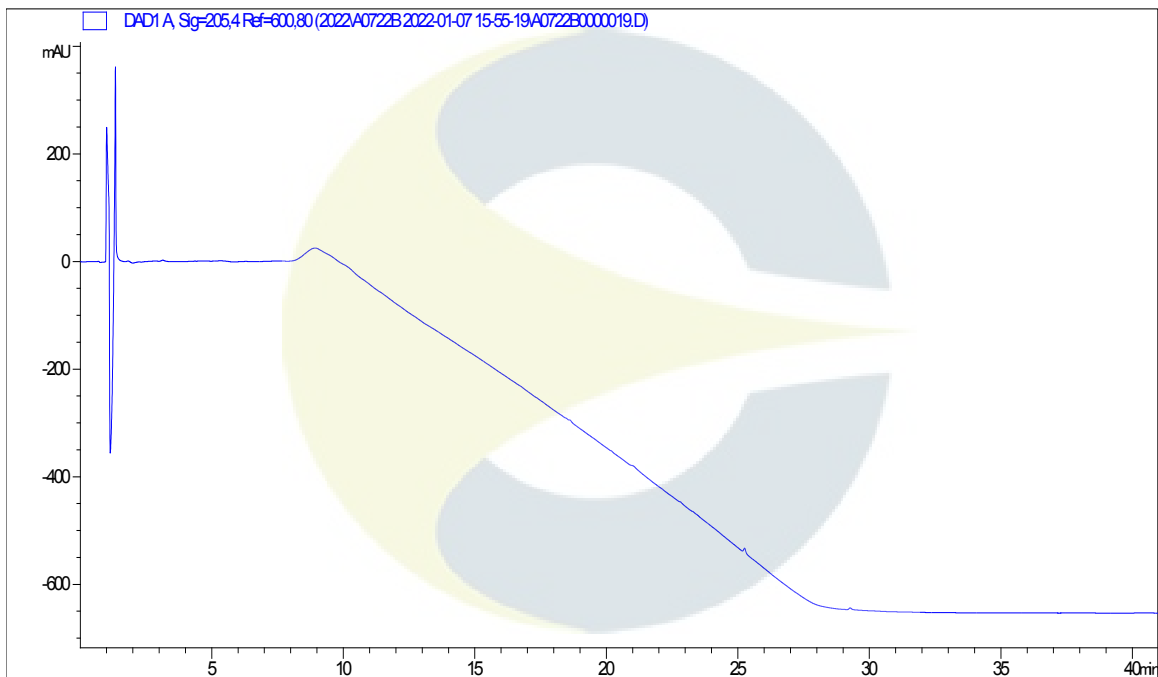
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 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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UV SPECTRUM AT RT = 31.0 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK

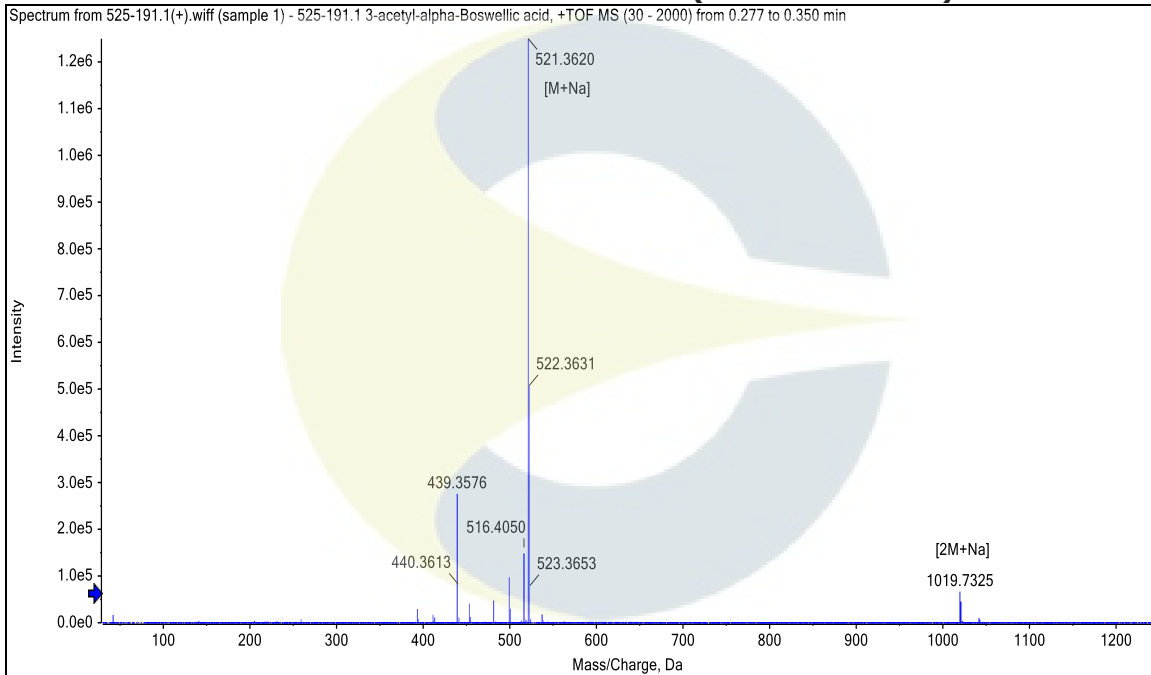


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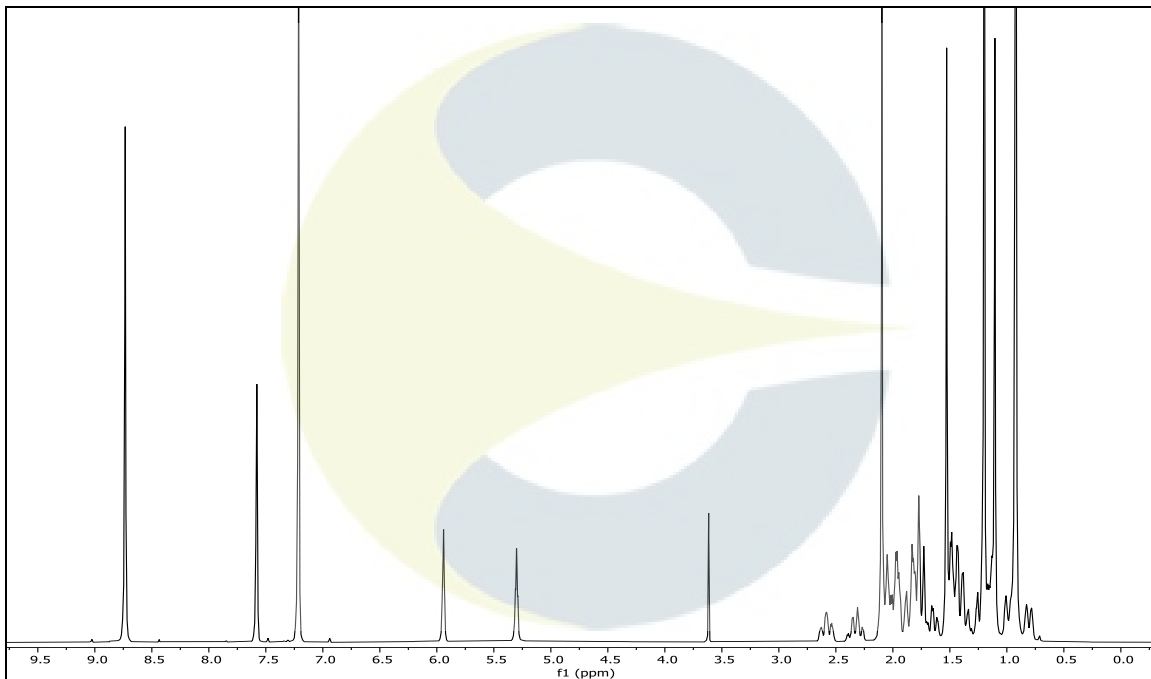
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MASS SPECTRUM OF 3-ACETYL-ALPHA-BOSWELIC ACID (CDXP-22-00001)



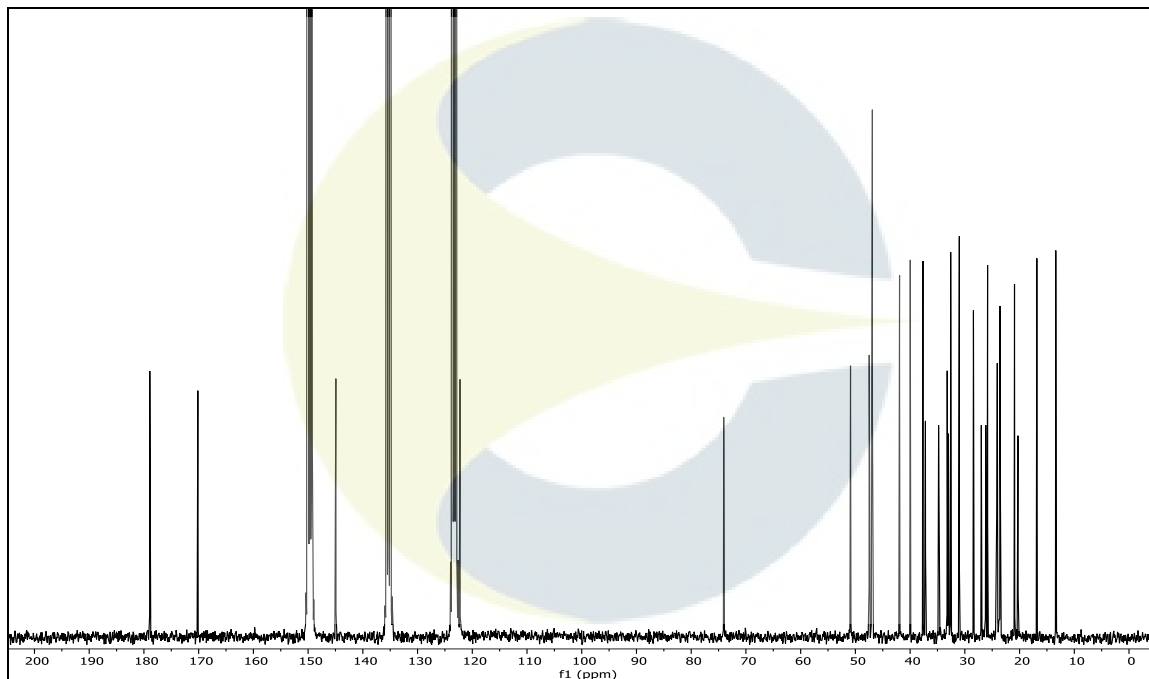
¹H-NMR SPECTRUM OF 3-ACETYL-ALPHA-BOSWELIC ACID (CDXP-22-00001) IN PYRIDINE-d₅



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¹³C-NMR SPECTRUM 3-ACETYL-ALPHA-BOSWELLIC ACID (CDXP-22-00001) IN PYRIDINE-*d*₅

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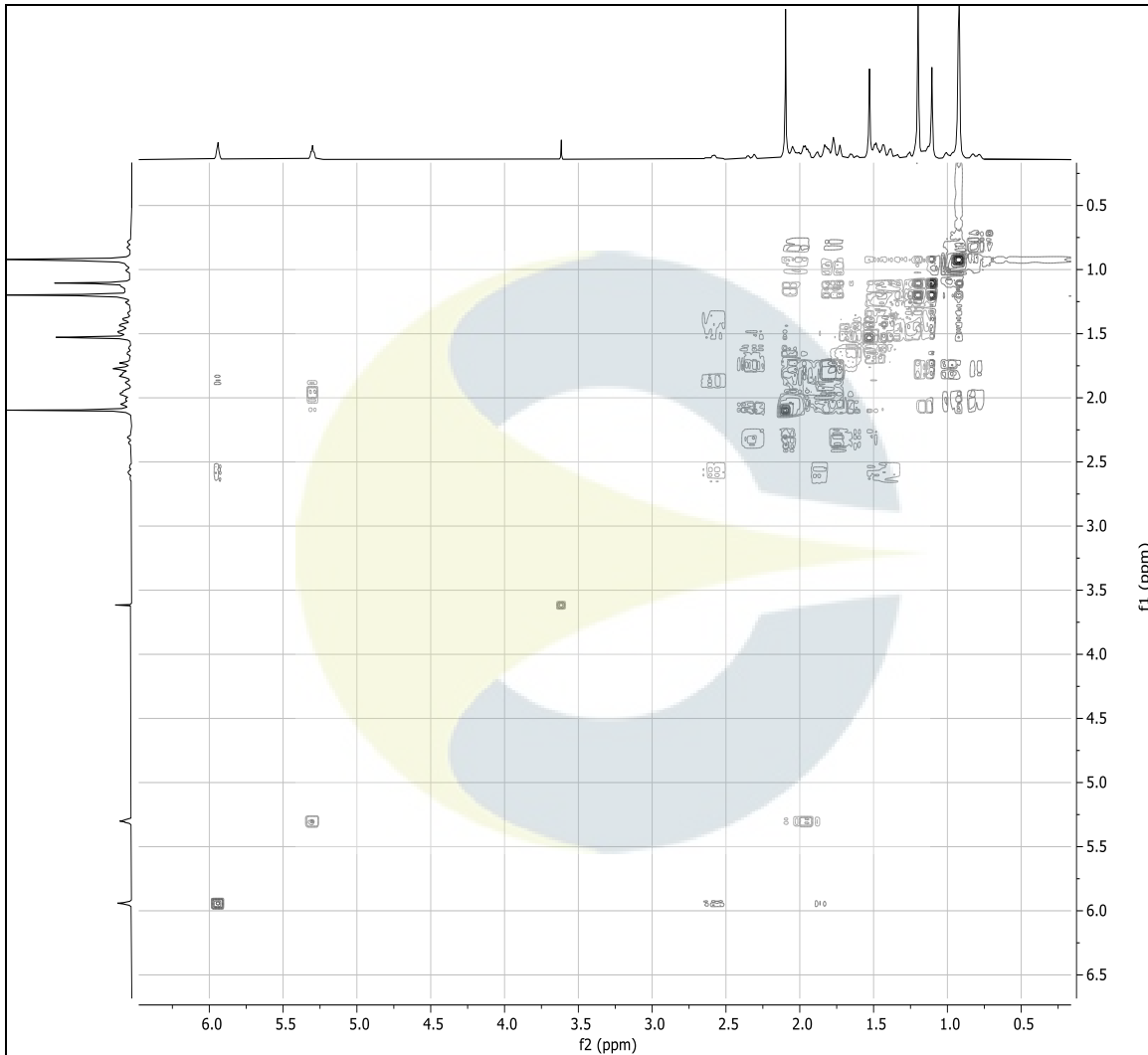
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COSY-NMR SPECTRUM OF 3-ACETYL-ALPHA-BOSWELLIC ACID (CDXP-22-00001) IN PYRIDINE-d₅

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/01/2022	New report

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