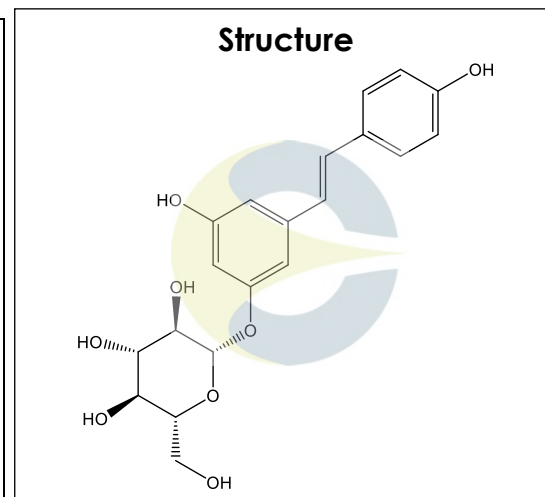


Certificate of Analysis
For Laboratory Use Only

PRODUCT NAME	Polydatin (Piceid)
PART NUMBER	00016945
STANDARD TYPE	Primary (P)
LOT NUMBER	00016945-215
REPORT NUMBER	CDXA-RSS-6987-01
SAMPLE NUMBER	CDXA-15-010677
DATE OF SAMPLE	12/22/2015
DATE OF RE-EVALUATION	04/27/2020
DATE OF REPORT	05/26/2020



CHEMICAL NAMES 3-Hydroxy-5-[(1E)-2-(4-hydroxyphenyl)ethenyl]phenyl β-D-glucopyranoside; Piceid; Polydotin Peceid; Resveratrol 3-O-β-D-glucoside

CHEMICAL FORMULA C₂₀H₂₂O₈

MOLECULAR WEIGHT (MW) 390.38

CHEMICAL FAMILY Stilbenoids

CAS NUMBER [27208-80-6]

EC#(EINECS) NA

RTECS LZ5776857

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	99.6%
HPLC	0.700.10.2.METH22	NA	99.6%
NMR	99.1-CD-1.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	Direct Infusion: ESI (-)	Conforms	Conforms
Residual Solvent*	99.1-CD-9.0-000115	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.6% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 99.6% HPLC

STORAGE CONDITIONS

STORAGE Room Temperature in a dry place.

EXPIRATION DATE 04/2025 under the above conditions.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

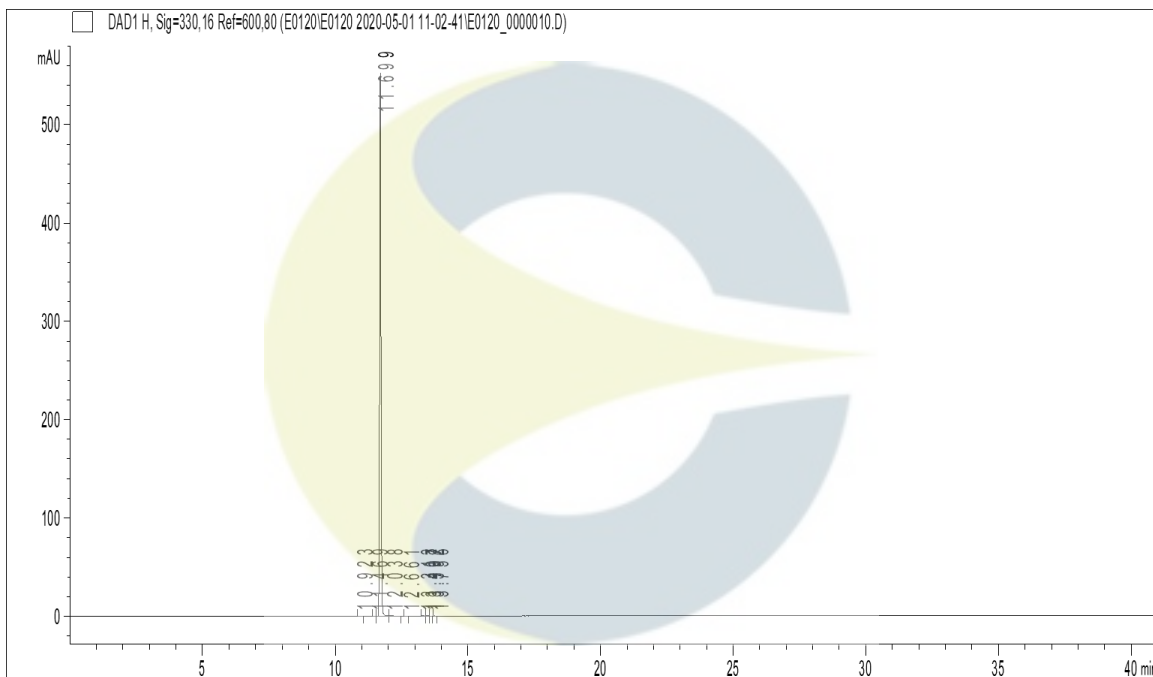
Certificate of Analysis

For Laboratory Use Only

ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
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.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.2 mg/mL in Methanol
DETECTION	330 ± 8 nm

HPLC CHROMATOGRAM OF POLYDATIN (PICEID) (CDXA-15-010677)

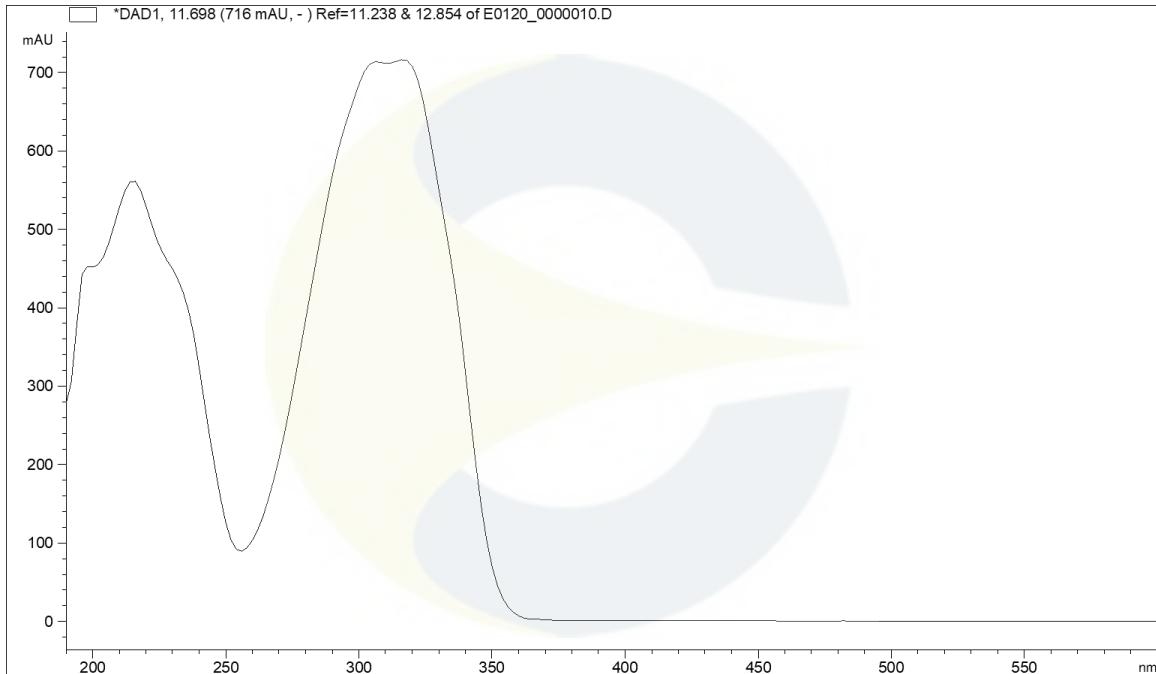


This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

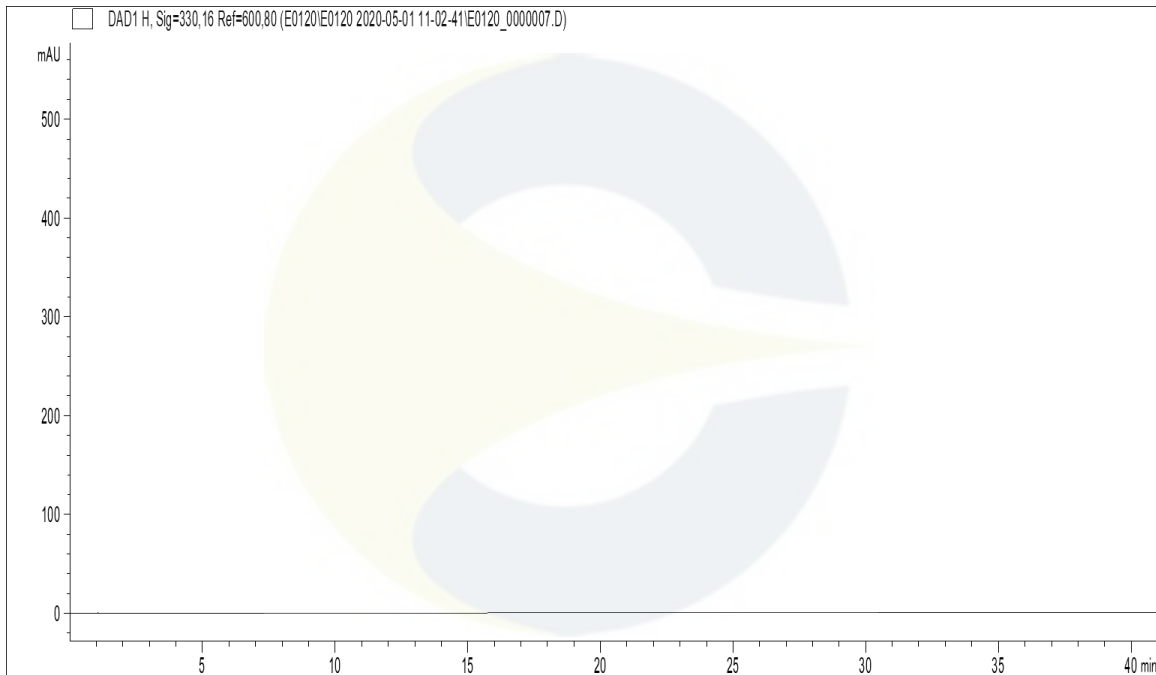
Certificate of Analysis

For Laboratory Use Only

UV SPECTRUM AT RT 11.7 MINUTES

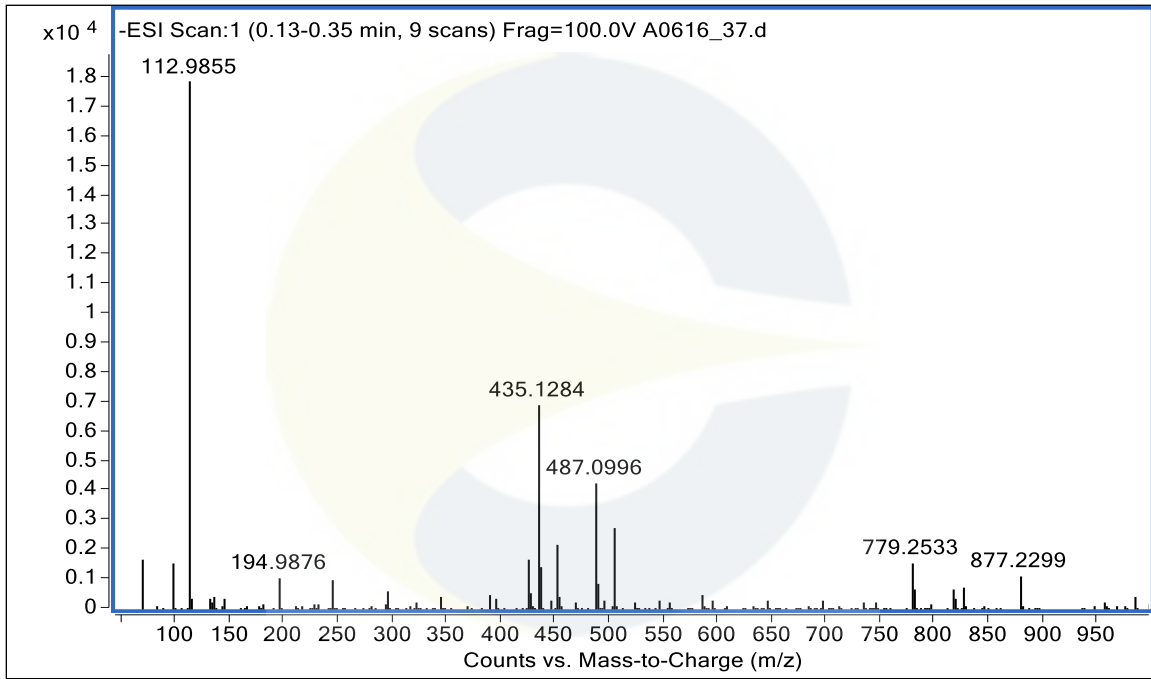


HPLC CHROMATOGRAM OF DILUENT BLANK

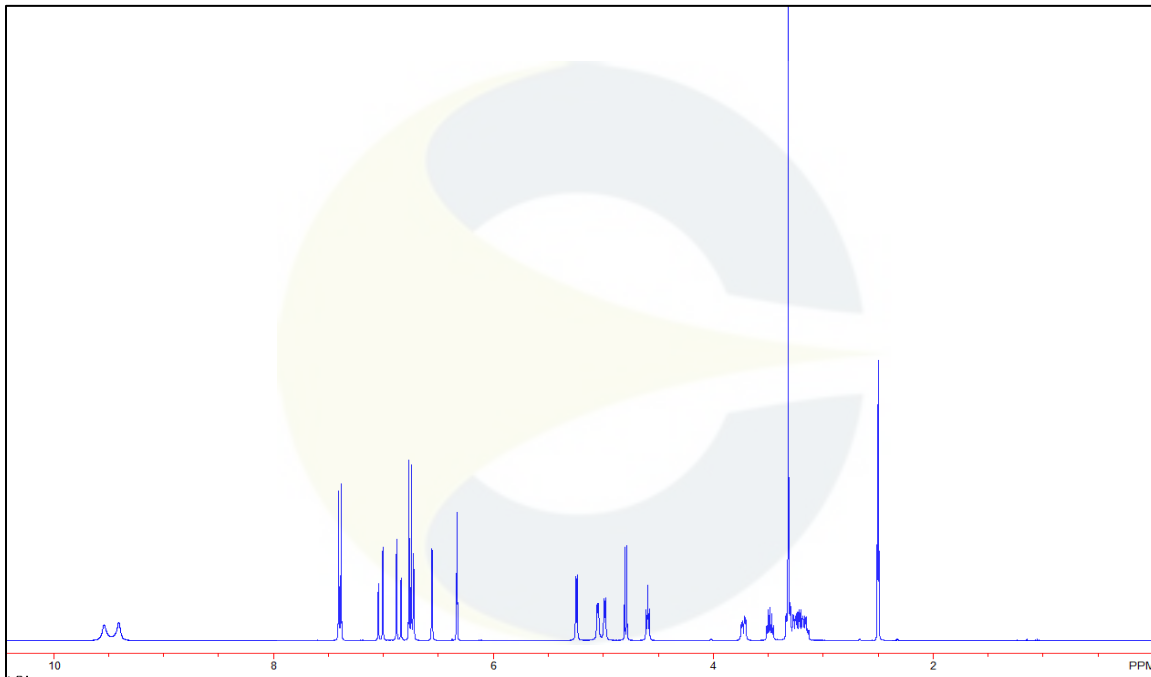


This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

MASS SPECTRUM OF POLYDATIN (PICEID) (CDXA-15-010677)

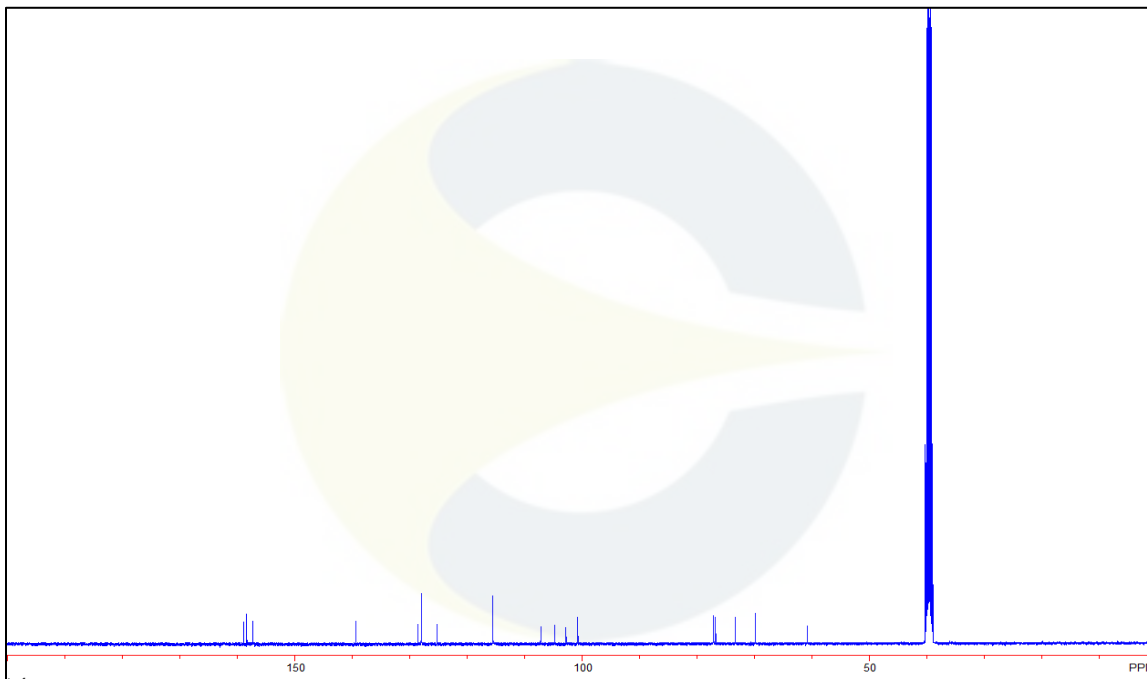


¹H-NMR SPECTRUM OF POLYDATIN (PICEID) (CDXA-15-010677) IN DMSO-d₆

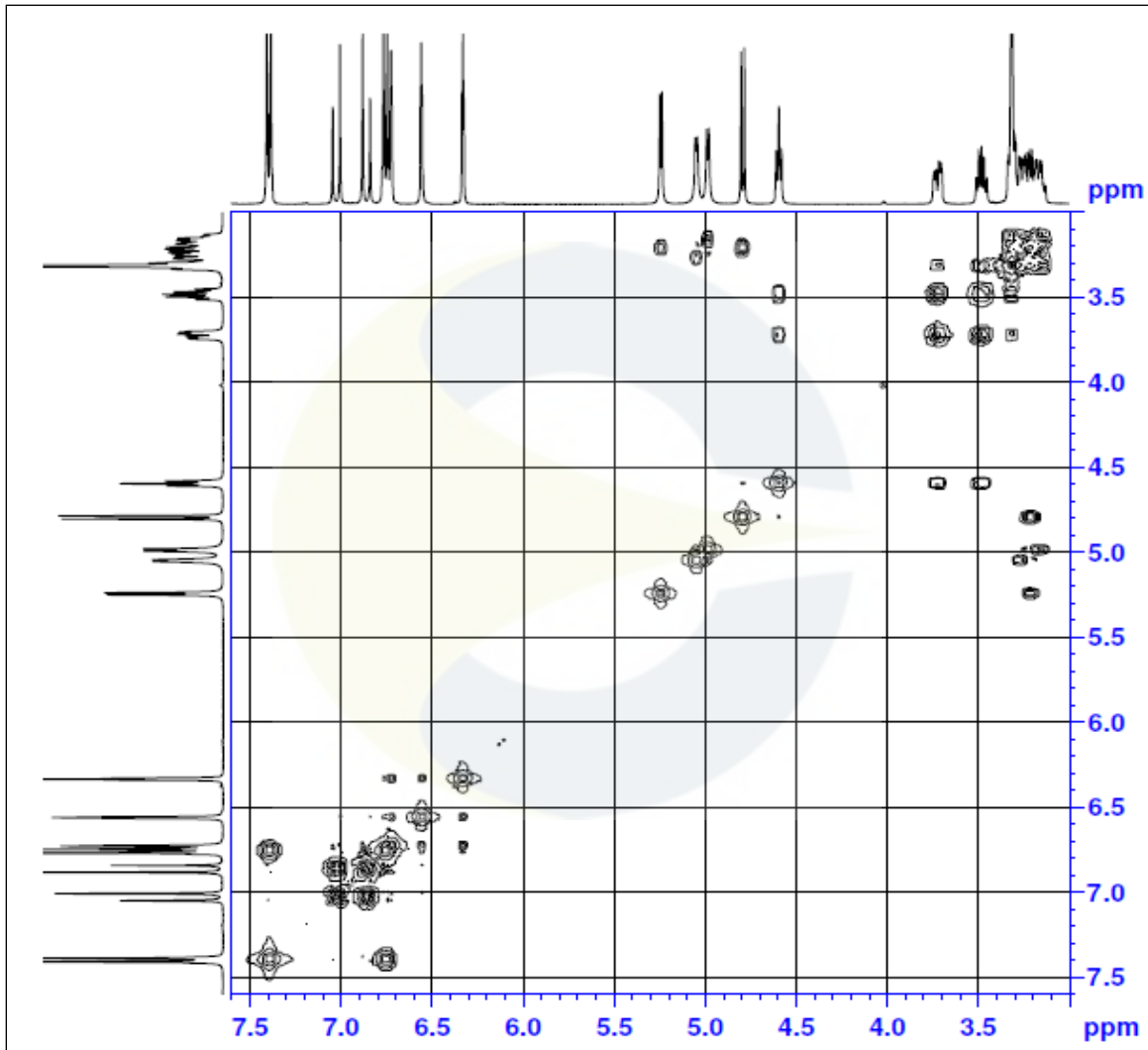


This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

¹³C-NMR SPECTRUM OF POLYDATIN (PICEID) (CDXA-15-010677) IN DMSO-d₆



This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

COSY-NMR SPECTRUM OF POLYDATIN (PICEID) (CDXA-15-010677) IN DMSO-d₆

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/19/2016	New report
01	05/26/2020	Passed re-evaluation by HPLC and KF, Updated expiration date, analytical conditions, chromatograms and results. Added RTECS number.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.