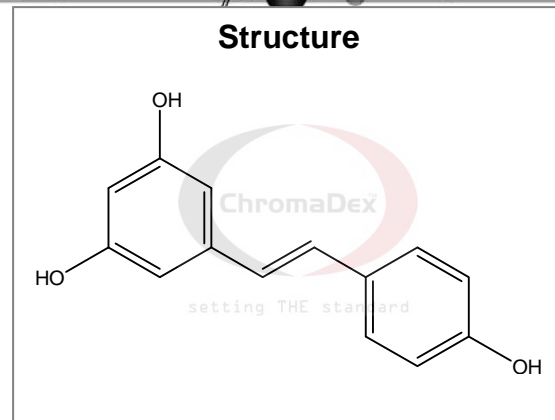


PRODUCT	Resveratrol (Food Grade)
PART NUMBER	00018089
STANDARD TYPE	Food Grade (FG)
LOT NUMBER	18089-20070519
REPORT NUMBER	CDXA-RSS-2038-02
CDXA NUMBER	CDXA-07-2178
DATE OF SAMPLE	09/07/2007
DATE OF REPORT	09/26/2007



NAME	trans-Resveratrol
OTHER NAME	5-[2-(4-Hydroxyphenyl)ethenyl]-1,3-benzenediol; 3,4',5-Trihydroxystilbene; 3,4',5-Stilbenetriol; 1-(3,5-Dihydroxyphenyl)-2-(4-hydroxyphenyl)ethylene
CHEMICAL FORMULA	C ₁₄ H ₁₂ O ₃
MOLECULAR WEIGHT (MW)	228.25
PUBLISHED MELTING POINT	265-267 °C
CAS NUMBER	[501-36-0]
CHEMICAL FAMILY	Phenolic acids

PHYSICAL CHARACTERISTICS

DESCRIPTION:	FINE FREE-FLOWING POWDER
COLOR (ASPECT):	WHITE TO OFF-WHITE
ODOR:	WOODY
TASTE:	BITTER
LOSS ON DRYING:	NMT 0.4%
DATE OF MANUFACTURE:	05/19/2007
COUNTRY OF ORIGIN:	China

ASSAY DATA

TEST	METHOD	SPECIFICATION	RESULT
HPLC	CDXA-CPM-056-00	NLT 95.0%	97.4%
Heavy Metals	ICP	NMT 10 ppm	Conforms
Total Plate Count	MICRO	NMT 1000 CFU/g	Conforms
Yeast and Mold	MICRO	NMT 100 CFU/g	Conforms
Salmonella	MICRO	NEGATIVE	NEGATIVE
E. Coli	MICRO	NEGATIVE	NEGATIVE

STORAGE CONDITIONS

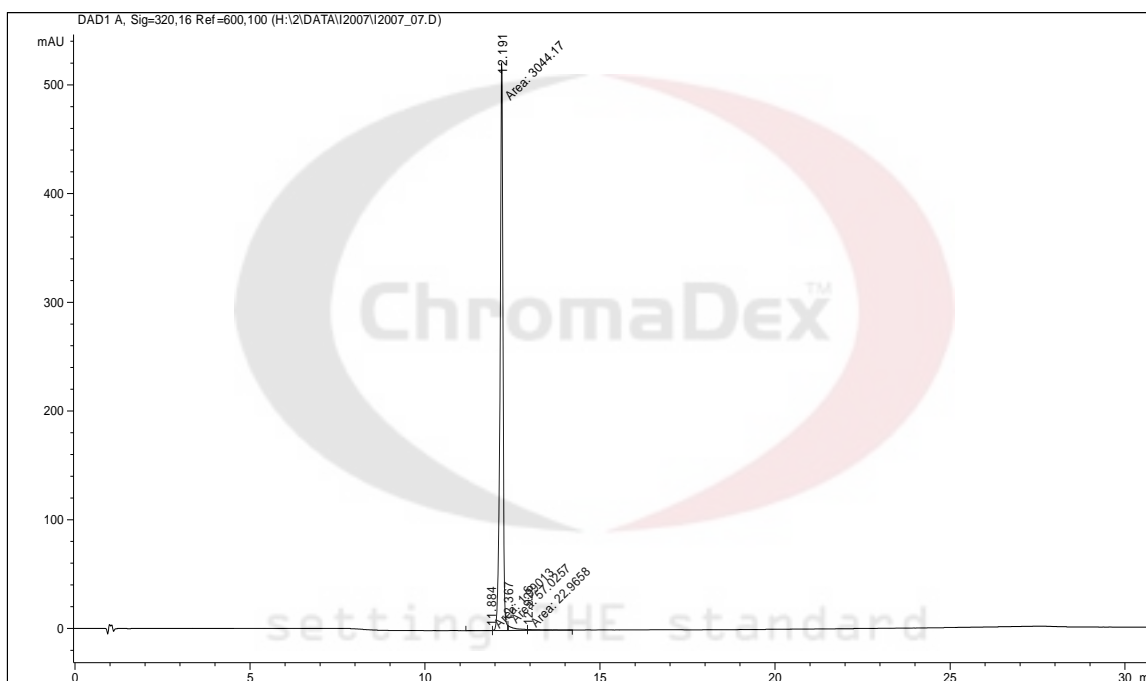
STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	09/2012 under the above conditions.



ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1100 HPLC UV-VIS (DAD) DETECTOR (HEISENBURG), FINNIGAN LCQ-DECA (CURIE)
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size; S/N 215579-7
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Milli-Q water, B - Acetonitrile; Isocratic at 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 5 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.5 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.0 mg/mL in methanol
DETECTION	320 ± 8 nm

HPLC CHROMATOGRAM OF RESVERATROL (CDXA-07-2178)





UV SPECTRUM AT RT = 12.2 MINUTES

