

Certificate of Analysis

Reference Material & Standard

Product Name:	29 Nafil Mix Solution in Methanol, 10µg/mL	Catalogue Number:	MCAD304310
Appearance:	Liquid	Lot Number:	1017-SA-7624
Solvent:	Methanol	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Oct 16, 28		

Chemical Structure:

Warning:



N/A

NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
1	Hydroxythiohomo sildenafil	479073-82-0	9.7	1.1
2	Acetildenafil	831217-01-7	10.0	1.1
3	Pseudo vardenafil	224788-34-5	10.5	1.1
4	N-Desmethyl sildenafil	139755-82-1	10.1	1.1
5	Thiohomosildenafil	479073-80-8	9.9	1.1
6	Udenafil	268203-93-6	9.9	1.1
7	2-Hydroxypropyl nortadalafil (mixture of diastereomers)	1353020-85-5	10.3	1.1
8	Avanafil	330784-47-9	9.5	1.1
9	Norneovardenafil	358390-39-3	10.1	1.1
10	Nitrodenafil	147676-99-1	10.5	1.1
11	Acetaminotadalafil	1446144-71-3	10.2	1.1
12	Propoxyphenyl hydroxyhomosildenafil	139755-87-6	10.4	1.1

Signature:

Prepared by:

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Approved by General Manager:

David

Date: Oct 17, 24

Date: Oct 17, 24

Date: Oct 17, 24



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NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
13	Propoxyphenyl thioaildenafil	856190-49-3	10.0	1.1
14	Dapoxetine	119356-77-3	10.5	1.1
15	N-Desethylacetildenafil	147676-55-9	9.8	1.1
16	N-Boc-N-desethyl acetildenafil	1246820-46-1	10.0	1.1
17	O-Desethylsildenafil	139755-91-2	10.1	1.1
18	Pyrazole N-desmethylsildenafil	139755-95-6	10.2	1.1
19	Tadalafil dichloro impurity	1598416-08-0	10.1	1.1
20	Demethylpiperaziny sildenafil sulfonic acid	1357931-55-5	9.8	1.1
21	Sildenafil impurity 14	2146091-79-2	9.9	1.1
22	Didescarbonsildenafil	466684-88-8	9.6	1.1
23	N-Desethyl-N-methylvarildenafil	224785-87-9	9.6	1.1
24	Dichlorodenafil	1446089-84-4	10.3	1.1
25	Piperazonifil	1335201-04-1	9.9	1.1
26	Propoxyphenyl thiohydroxyhomosildenafil	479073-90-0	10.2	1.1
27	Hydroxythioacetildenafil	1159977-47-5	9.8	1.1
28	Propoxyphenylisobutyl aildenafil	1621873-33-3	10.0	1.1
29	Demethyltadalafil	171596-36-4	9.8	1.1

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Directions:

1. General description: This product was dissolved in Methanol and sub-packed in ampoule bottles. The outer packaging is plastic cylinder.
2. Characterization strategy: Certified reference materials were selected as raw materials. Characterization was based on the mass and volume of the components used in the preparation process. external standard method was used to verify the prepared value.
3. Metrological traceability: Through the use of raw materials with traceable purity values and tested/calibrated quality or volume measures, certified value results are ultimately traceable to SI basic units of mass kilogram (kg) and national statutory volume the unit of measurement liter (L).
4. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.
5. Minimum sample size: For once use only.
6. Instructions for handling and correct use: Please shake thoroughly before use to ensure homogeneous.

Document Version:

Revision No.	Date	Reason for Revision
01	Oct 17, 24	First release.

