

Apollo Scientific Ltd
Whitefield Road, Bredbury,
Stockport, SK6 2QR, UK.
Tel:44(0)161 406 0505 Fax:44(0)161 406 0506
e-mail: sales@apolloscientific.co.uk



-CERTIFICATE OF ANALYSIS-

Name	DDAVP
Product code	BITH3012
Batch No	AS454244
Description	Desmopressin also called ADH (Anti-Diuretic Hormone) has a molecular formula of $C_{46}H_{64}N_{14}O_{12}S_2$, Mpr-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH ₂ having a Mw of 1069.23 Dalton, is the first vasopressin analog with a very high and very specific antidiuretic effect, has been widely used for different therapeutic purposes and is believed to be partly responsible for the formation of memories learning and memory processes. Desmopressin increases urine concentration and decreases urine production. Desmopressin is used to prevent and control excessive thirst, urination, and dehydration.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The protein (1 mg/ml) was lyophilized with no additives.
Solubility	It is recommended to reconstitute the lyophilized DDAVP in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Stability	Lyophilized Desmopressin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution DDAVP should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Purity	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Verified by: David Parton

Signed:

Date: 20th January 2015