

Analytical Data Sheet

Lot number **1000016113**
not for drug use

Catalog number **H-2255.0001**

Product number **4011079.0001**

Product **Calcitonin (eel)**
H- Cys- Ser- Asn- Leu- Ser- Thr- Cys- Val- Leu- Gly-
Lys- Leu- Ser- Gln- Glu- Leu- His- Lys- Leu- Gln- Thr-
Tyr- Pro- Arg- Thr- Asp- Val- Gly- Ala- Gly- Thr- Pro-
NH₂
(Disulfide bond)

Molecular formula **C₁₄₆H₂₄₁N₄₃O₄₇S₂**

Relative molecular mass **3414.91**

Tests	Results
Appearance	white powder
Identification (elemental analysis)	Theory Found C = 47.23 % C = 46.91 % H = 7.38 % H = 6.98 % N = 15.58 % N = 15.80 %
Identification (TLC)	conforms with authentic material
Purity (HPLC)	98.4% (TFA) 97.1% (TEAP)
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 n-butanol/acetic acid/H ₂ O/pyridine 30/6/24/20 plate: silicagel 60 F ₂₅₄ detected by: ninhydrin, Greig-Leaback
Assay (elemental analysis)	85.1% (Nth 17.63 %, Nfd 15.01 %)
Water content (KF volumetric)	6.6%

Latest update: May 14, 2019

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