

## CERTIFICATE OF ANALYSIS

Name of Product:	Eptifibatide <span style="float: right; font-size: small;">Mpr-Har-Gly-Asp-Trp-Pro-Cys-NH<sub>2</sub></span>		
Batch No.	EP-090201	Analyzed on	2009-2-17
Date of Manufacture	2009-2-11	Quantity	240g
CAS No.	148031-34-9	Expiry date	2013-2-10
TEST	SPECIFICATION		RESULTS
1. Characteristic	White or off-white powder		Conforms
2. Solubility	Soluble in water and 1% acetic acid at a concentration of $\geq 1$ mg/ml to give a clear, colorless solution		Conforms
3. Identification (HPLC)	Retention time corresponds to reference standard		Conforms
4. Specific Optical Rotation	-53~ -57° (C=5, 1% Acetic acid )		-54.8°
5. Amino acids	Asp: 0.80~1.00 Cys: 0.80~1.00 Gly: 0.90~1.10 Pro: 0.90~1.10 Trp: Present		0.91 0.92 1.02 1.09 Present
6. Acetic acid	Not more than 10.0%		4.62%
7. Water (KF)	Not more than 5.0%		4.22%
8. Purity (HPLC)	$\geq 98.5\%$		99.29%
9. Related Substances (By HPLC)	Total impurities $\leq 1.5\%$ Largest single impurity $\leq 1.0\%$		0.71% 0.30%
10. Peptide content (By %N)	$\geq 80.0\%$		91.16%
11. Bacterial endotoxins	Not more than 10EU/mg		Conforms
12. Mass balance	95.0~105.0%		99.94%
13. DMF(GC)	Not more than 0.088%		0%
14. DCM(GC)	Not more than 0.06%		0.002%
15. AcN(GC)	Not more than 0.041%		0.007%

**Conclusion: Complies with in-house standard.**

QUALITY CONTROL DEPARTMENT  
MANAGER

*Don J. [Signature]*