

Certificate of Analysis

Product	HCG (Human Chorionic Gonadotropin)	CAS No.:	9002-61-3
Product No.:	G5K / G10K	Form / Formula	Glycoprotein (α + β heterodimer)
Sequence	Heterodimeric glycoprotein: α -subunit (92 aa) + β -subunit (145 aa) <i>Urinary-derived gonadotropin; potency expressed in International Units (IU)</i>		
Molecular Weight	~36.7 kDa	Quantity	5,000 / 10,000 IU per vial
Batch No.	HCG-2801A	Storage Temp.	-20 $\pm$ 5°C
Mfg. Date	Nov. 19 th , 2025	Retest Date	Nov. 19 th , 2027

【ITEMS】		【SPECIFICATIONS】	【RESULTS】
Appearance		White to off-white lyophilized powder/cake	White to off-white powder
Solubility		Soluble in water / saline	Conforms
Solution clarity and color		Clear and colorless liquid	Conforms
Identification	Immunoassay	Specific immunoreactivity corresponds to the reference standard.	Conforms
	RP-HPLC / SDS-PAGE	Principal band/peak corresponds to the reference standard.	Conforms
Biological potency (in-vivo bioassay)		80.0%~125.0% of labeled IU	108% of labeled IU
Protein purity (SDS-PAGE)		NLT 95.0%	99.2%
Water content (LOD)		NMT 5.0%	4.5%
pH (reconstituted)		6.0~8.0	7.1
Bacterial endotoxins		NMT 10 EU/mg	3.4EU/mg
Abnormal toxicity (USP)		Complies	Conforms
Microbial Limits		Total aerobic bacteria $\leq 100\text{cfu/g}$	Conforms
		Mould & Yeast $\leq 10\text{cfu/g}$	Conforms
		Staphylococcus aureus: absence in 1g	absent
		Pseudomonas aeruginosa: absence in 1g	absent
Assay (biological potency)		80.0%~125.0% of labeled IU	108% of labeled IU
Storage		Keep in tight container, protect from light, store at a temperature of -20 $\pm$ 5 $^{\circ}$ C.	
Report		QC01 QC02	Date: Jun. 28 th , 2026
Reviewer			Date: Jun. 28 th , 2026
Conclusion: This batch of product complies with Enterprise Standard.			

合格

It is only supplied as chemical product.
It is only for R&D use.