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安徽万和制药有限公司

ANHUI WAN HE PHARMACEUTICAL CO.,LTD

CERTIFICATE OF ANALYSIS

Product Name		е	VITAMIN K1		Code Name	C004	
Specification		Bulk drug(Injection)		Batch Quanlity	110.0KGS		
Batch No.		V180901		Package	Aluminum Tin		
MFG. Date SEP.9,2018		EXP.Date SEP.8,2020					
Items				Standard of EP9.2			Result of Test
Appearance of solution				The solution is clear			Conform
Refractive index				About 1.526			1.526
		А		Examined between 275-340nm,test solution shows an absorption max at 327nm which the specific absorbance is 67-73 and min at 285nm.Between 230-280nm Test solution also shows four absorbance max, at 243,249,261 and 270 nm respectively			Conform
indentifi	cation	В		The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to principal peak in the cheomatogram obtained with reference solution(d)			conform
		С		A green colour is produced which becomes violet-red on heating and then reddish-brown on standing			Conform
		Eluting before trans-epoxyphytomena		Single impurity ≤0.15%			0.03%
Related substances		dione		Total impurities ≤0.2%			0.02%
		Eluting between cis-phytomenadione and trans-phytomenadione		Single impurity≤ 0.4 %			0.20%
				Total impurities ≤0.5%			0.34%
		Eluting after trans-phytomenadione		Single impurity ≤0.25%		0.13%	
				Total impurities≤0.5%		0.22%	
		Total		≤1.2%			0.70%
		Reporting threshold		≤0.05%			Conform
Acid value				≤2.0			1.2
Sulphated ash				≤0.1%			0.02%
Impurity A (TLC)				≤0.2%			Conform
Assay	Trans-epoxyphytomenadione			≤4.0%			0.6%
	Trans-phytomenadione			≥75.0%			81.86%
	Total three compound			97.0%103.	0%	""高的专用"	98.56%
Conclusion				The product comply with EP9.2			
Principle: Kai Guo				Pe check: Lili Liu Anglyof: Vynywy Chen			

Principle: Kai Guo

Re-check:Lili Liu

Analyst: Yunyun Chen