

Table 10

List of CRS in Vietnamese Pharmacopoeia

List of CRS in Vietnamese Pharmacopoeia (VP)

Compound	Purity (%)	UV λ max nm (E 1%, 1 cm)	mp	HPLC	TLC Rf value (1:Dev. solv., 2:Detect)	Available from	Reference Standard for	Applied to	GC	Specific Optical Rotation
Artemisinin	98.60% (as is)	292 nm (592.4)	151-154	Lichrosorb RP 18 (ID. 250 x 4 mm), 260 nm, MeOH/H ₂ O (45:55) add 0.01M NaH ₂ PO ₄ and 0.01M Na ₂ HPO ₄	0.45 [1: Toluene/ AcOH (95:5), 2: In day light or UV 366 nm]	Prepared by National Institute of Drug Quality Control (NIDQC); 100mg 100,000 VND	Identification (IR, TLC) Assay (UV)			
Atropin sulfat	99.56% (Anhydrous)	251 nm (4.9) 257 nm (5.8) 263 nm (4.4)	135-140			ASEAN RS; 200mg 40 USD	Identification (IR) Assay (UV)	Flos Daturae Folium Daturae		
Ouabain	86.89%	495 nm		Test for related substances, RP18, Lichrospher (250 x 4mm), 220 nm, H ₂ O/ACN (90:10)			Identification (IR) Assay (UV)			
Cafein	99.77% (Anhydrous)		237	RP18 Lichrosorb (250 x 4 mm), 254 nm, H ₂ O/ACN/1M KH ₂ PO ₄ /1M CH ₃ COOH	Test for related substances, CHCl ₃ / MeOH (3:2), UV 254 nm	Prepared by NIDQC; 200 mg 100,000 VND	Identification (IR) Assay (UV, HPLC)			
Ephedrin HCL	99.97% (Anhydrous)	251 nm (7.29) 257 nm (9.14) 263 nm (7.03)	219-221			ASEAN RS; 200mg 40 USD	Identification (IR)	Herba Ephedrae		
Reserpin	99.81% (Anhydrous)					ASEAN RS; 200mg 40 USD	Identification (IR)	Cortex et Radix Rauwolfiae		
Rotundin	99.4% (Anhydrous)	281 nm (150.21)	144		CHCl ₃ /EtOH/ Con. NH ₄ OH (98:2:0.5)	Prepared by NIDQC; 200 mg 100,000 VND	Identification (TLC) Assay (UV)	Tuber Stephaniae glabrae		
Menthol	0.9976					Prepared by NIDQC; (Available in the near future)		Herba Menthae	OVI-G 43 Col. col. temp. 180°C; FID 260°C; SPL 240°C; 1.7 ml/min	-50.55
Cineol	0.9946					Prepared by NIDQC; (Available in the near future)		Herba Adenosmatis indiani; Herba Adenosmatis caerulei; Herba Adenosmatis bracteosi	OVI-G 43 Col. col. temp 120 -180°C; FID 240°C; SPL 220°C; 1.7 ml/min	

