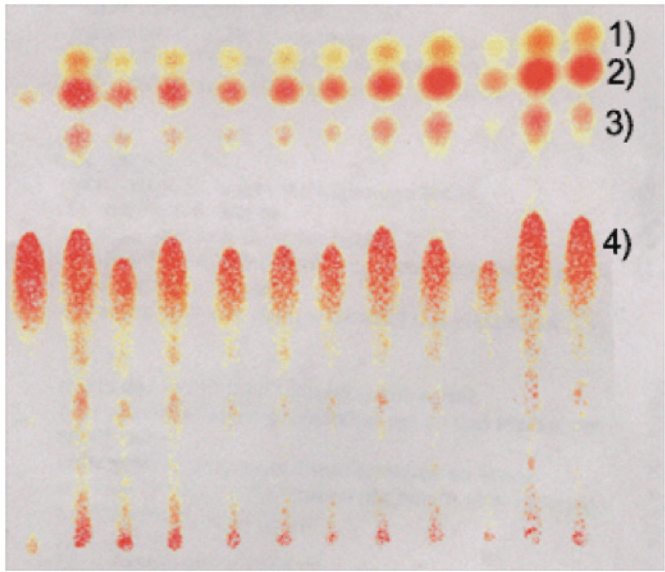


Separation of Marijuana Compounds

Method: TLC	Matrix plant	Application-No.: 403020
Substances:	cannabidiol (CBD); tetrahydrocannabinol (THC); cannabinol (CBN); tetrahydrocannabinolic acid (THCA-A)	
Plate:	MCN805023 POLYGRAM® SIL-G/UV ₂₅₄ , 20 x 20 cm	
Sample pretreatment:	Boil sample in petroleum ether	
Conditions:	Eluent: 35 mL petroleum ether + 15 mL diethyl ether Distance: ~ 10 cm Development: 35 min	
Detection:	Spray reagent: 50 mg Fast Blue B in 10 mL 4 % sodium hydroxide solution; the spray reagent must be prepared freshly. Or use UV ₂₅₄ lamp to visualise by fluorescence quenching.	
Author(-s):	LKA 32 Landeskriminalamt Hamburg, German Police	
Chromatogram:		
Legend:	1) cannabidiol (CBD) 2) tetrahydrocannabinol (THC)	3) cannabinol (CBN) 4) tetrahydrocannabinolic acid (THCA-A)