

Ultrasonic-Assisted Extraction of Cannabidiolic Acid from *Cannabis* Biomass

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Materials

Name	Company	Catalog Number	Comments
Acetonitrile	J.K.Baker	9017-88	solvent
Cannabichromene	Cerilliant	C-143	Cannabinoids standard
Cannabidiol	Cerilliant	C-045	Cannabinoids standard
Cannabidiolic acid	Cerilliant	C-144	Cannabinoids standard
Cannabidivarin	Cerilliant	C-140	Cannabinoids standard
Cannabigerol	Cerilliant	C-141	Cannabinoids standard
Cannabinol	Cerilliant	C-046	Cannabinoids standard
Centrifuge	Hanil Scientific Inc	Supra 22K	Centrifuge
Cherry Wine hemp	CFH, Ltd.	-	Flower extraction material
Distilled water	TEDIA	WS2211-001	solvent
Ethanol	TEDIA	ES1431-001	solvent
Filter paper	Whatman	#2	Filtering
Grinder	Daesung Artlon	DA280-S	Milling
HPLC	Shimadzu	LC-10 system	Analysis of Cannabinoid
Methanol	TEDIA	MS1922-001	solvent
Minitab 16.2.0	Minitab Inc.		
Syringe filters	Whatman	6779-1304	Filtering
Tetrahydrocannabivarin	Cerilliant	T-094	Cannabinoids standard
Trifluoroacetic acid	Sigma-aldrich	302031-1L	HPLC flow solvent
Ultrasonic bath	Jinwoo	4020P	Ultrasonic extraction
Zorbax Eclipse plus C18 HPLC column	Agilent	9599990-902	HPLC column
Δ^8 - Tetrahydrocannabinol	Cerilliant	T-032	Cannabinoids standard
Δ^9 - Tetrahydrocannabinol	Cerilliant	T-005	Cannabinoids standard

Δ^9 - Tetrahydrocannabinolic acid	Cerilliant	T-093	Cannabinoids standard
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