Filter Type	Nano Filtration	Ultra filtration	Micro Filtration	Particle Filtration
Equipment Used	Membrane Filtration	Lenticular Filter	Lenticular Filter	Centrifuge
Size (microns)	Ionic Range(>.0001)	Molecular Range (> .05)	Macro Molecular (> 5)	Macro/ Micro Particle (>20)
Compound Type (Cannabis Example)	THCA	Organic Matter	Lipids	Flower
Approximate MWCO Range (Dalton)	2000	10000	20000	50000

Cannabis Filtration: Filter Sizing Chart

KEEP
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Compound	Molecular Weight	Molecular Weight Cut Off(MWCO)	Filter Pore Size	Filtration Material	Polar/ Non Polar	Filtration Order #
Cannabinoids (60+)		>100 **(MWCO(2))*10**				
CBG	316.48		2000			
CBC	314.46					
CBD	314.46					
THCA-A	358.47					
THC	314.45					
THCV	286.41					
CBN	310.47					
Terpenoids (140+)						
Myrcene	136.23					
Limonene	136.24					
Linalool	154.23					
Trans- Ocimene	136.24					
Beta-Pinene	136.23					
Flavonoids (23+)						
Quercetin	302.23					
Luteolin	286.24					
Cannaflavin A						
Apigenin	270.24					
Wax's (Combination)						
Linoleic acid	280.452					
Simple Alcohols	50					
Long Chain C	200					
Carbohydrates, Sugars						
Fructose	180.16					
Cellulose	162.14					
Nitrogen Containing						
Chlorophyll ? If not extract cold	907.49					
Water for Injection (WFI) / Residual Solvent						
Ethanol	46					
Simple Alcohols						
Hydrocarbons						
Nitrogen						
Noncannabinoid Phenols						

Cross Flow Cannabis Filtration: MWCO (Molecular Weight Cut-Off) Calculation