



Technical Data Sheet

W4

Pesticide Remediation Bleaching Clay

W4 is an alkaline bleaching clay specialized for the removal of pesticides, chlorophyll, free fatty acids, and oxidized compounds. It removes pesticides through adsorption and hydrolysis. Pesticides undergo alkaline hydrolysis, in which a pH greater than 7 causes chemical degradation of certain pesticides in the presence of ions.

pH: 10
 Free Moisture: 13%
 Tamped Density: 750g/l
 Particle Size: 50um(85%)

Performance Features

- Fast filtering and less pressure build up at the end of cycle
- Improved oil clarity
- Removes most pesticides

TECHNICAL SERVICE AND SUPPORT

Chem Tek provides its customers with the best products and services. Technical support includes accessibility to ChemTek's research and immense industry experience. Chem Tek acknowledges that equipment, procedures, and conditions can be different for every facility and we're here to help you optimize your processes and products.

Recommended Use

Biomass	Recommended Spool Size	Amount
1lb	2" x 6"	100g
5lb	3" x 8"	500g
10lb	4" x 8"	1,000g
20lb	6" x 10"	2,000g
50lb	8" x 10"	5,000g

BEFORE AND AFTER USING W4

BRIGHTSIDE SCIENTIFIC		BRIGHTSIDE SCIENTIFIC		BRIGHTSIDE SCIENTIFIC	
Sample ID: 210185D0166.0425	Produced: 03/19/2021	Sample ID: 210485D0196.0522	Produced: 04/05/2021	Sample ID: 210485D0196.0522	Produced: 04/05/2021
Strain: Peanut Butter Shatter	Matrix: Concentrates & Extracts	Strain: Peanut Butter Shatter	Matrix: Concentrates & Extracts	Strain: Peanut Butter Shatter	Matrix: Concentrates & Extracts
Type: Shatter	Batch#: P85-2021	Type: Shatter	Batch#: P85-2021	Type: Shatter	Batch#: P85-2021

Pesticides by LCMS/MS & GCMS/MS												Pesticides by LCMS/MS & GCMS/MS											
Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
Abamectin	0.01	0.1	0.1	ND	Pass	Fludioxonil	0.01	0.1	0.1	ND	Pass	Abamectin	0.01	0.1	0.1	ND	Pass	Fludioxonil	0.01	0.1	0.1	ND	Pass
Acephate	0.01	0.1	0.1	ND	Pass	Hexythiazox	0.01	0.1	0.1	ND	Pass	Acephate	0.01	0.1	0.1	ND	Pass	Hexythiazox	0.01	0.1	0.1	ND	Pass
Acetamiprid	0.01	0.1	0.1	ND	Pass	Imazalil	0.01	0.1	0.1	ND	Pass	Acetamiprid	0.01	0.1	0.1	ND	Pass	Imazalil	0.01	0.1	0.1	ND	Pass
Aldicarb	0.01	0.1	0.01	ND	Pass	Kresoxim Methyl	0.01	0.1	0.1	ND	Pass	Aldicarb	0.01	0.1	0.01	ND	Pass	Kresoxim Methyl	0.01	0.1	0.1	ND	Pass
Azoxystrobin	0.01	0.1	0.1	ND	Pass	Malathion	0.01	0.1	0.5	ND	Pass	Azoxystrobin	0.01	0.1	0.1	ND	Pass	Malathion	0.01	0.1	0.5	ND	Pass
Bifenazate	0.01	0.1	0.1	ND	Pass	Metaxyl	0.01	0.1	2	ND	Pass	Bifenazate	0.01	0.1	0.1	ND	Pass	Metaxyl	0.01	0.1	2	ND	Pass
Bifenthrin	0.01	0.1	3	ND	Pass	Methiocarb	0.01	0.1	0.01	ND	Pass	Bifenthrin	0.01	0.1	3	ND	Pass	Methiocarb	0.01	0.1	0.01	ND	Pass
Boscalid	0.01	0.1	0.1	ND	Pass	Methomyl	0.01	0.1	1	ND	Pass	Boscalid	0.01	0.1	0.1	ND	Pass	Methomyl	0.01	0.1	1	ND	Pass
Captan	0.01	0.1	0.7	ND	Pass	Mevinphos	0.01	0.1	0.01	ND	Pass	Captan	0.01	0.1	0.7	ND	Pass	Mevinphos	0.01	0.1	0.01	ND	Pass
Carbaryl	0.01	0.1	0.5	ND	Pass	Myclobutanil	0.01	0.1	0.1	ND	Pass	Carbaryl	0.01	0.1	0.5	ND	Pass	Myclobutanil	0.01	0.1	0.1	ND	Pass
Carbofuran	0.01	0.1	10	ND	Pass	Naled	0.01	0.1	0.1	ND	Pass	Carbofuran	0.01	0.1	10	ND	Pass	Naled	0.01	0.1	0.1	ND	Pass
Chlorantraniliprole	0.01	0.1	0.1	ND	Pass	Oxamyl	0.01	0.1	0.5	ND	Pass	Chlorantraniliprole	0.01	0.1	0.1	ND	Pass	Oxamyl	0.01	0.1	0.5	ND	Pass
Chloridane	0.01	0.1	0.01	Fail	Pachlobutrazol	0.01	0.1	0.01	ND	Pass	Chloridane	0.01	0.1	0.01	ND	Pass	Pachlobutrazol	0.01	0.1	0.01	ND	Pass	
Chlorfenapyr	0.01	0.1	0.01	ND	Pass	Parathion Methyl	0.01	0.1	0.01	ND	Pass	Chlorfenapyr	0.01	0.1	0.01	ND	Pass	Parathion Methyl	0.01	0.1	0.01	ND	Pass
Chlorpyrifos	0.01	0.1	0.01	ND	Pass	Pentachloronitrobenzene	0.01	0.1	0.125	Fail	Chlorpyrifos	0.01	0.1	0.01	ND	Pass	Pentachloronitrobenzene	0.01	0.1	0.1	ND	Pass	
Ciflutryn	0.01	0.1	0.1	ND	Pass	Pernethrin	0.01	0.1	0.5	ND	Pass	Ciflutryn	0.01	0.1	0.1	ND	Pass	Pernethrin	0.01	0.1	0.5	ND	Pass
Coumaphos	0.01	0.1	0.01	ND	Pass	Phosmet	0.01	0.1	0.1	ND	Pass	Coumaphos	0.01	0.1	0.01	ND	Pass	Phosmet	0.01	0.1	0.1	ND	Pass
Cyfluthrin	0.01	0.1	2	ND	Pass	Piperonyl Butoxide	0.01	0.1	3	ND	Pass	Cyfluthrin	0.01	0.1	2	ND	Pass	Piperonyl Butoxide	0.01	0.1	3	ND	Pass
Cypermethrin	0.01	0.1	1	ND	Pass	Pyridin	0.01	0.1	0.1	ND	Pass	Cypermethrin	0.01	0.1	1	ND	Pass	Pyridin	0.01	0.1	0.1	ND	Pass
Daminozide	0.01	0.1	0.01	ND	Pass	Propiconazole	0.01	0.1	0.1	ND	Pass	Daminozide	0.01	0.1	0.01	ND	Pass	Propiconazole	0.01	0.1	0.1	ND	Pass
Diazinon	0.01	0.1	0.1	ND	Pass	Propoxur	0.01	0.1	0.1	ND	Pass	Diazinon	0.01	0.1	0.1	ND	Pass	Propoxur	0.01	0.1	0.1	ND	Pass
Dichlorvos	0.01	0.1	0.01	ND	Pass	Pyrethrin	0.01	0.1	0.5	ND	Pass	Dichlorvos	0.01	0.1	0.01	ND	Pass	Pyrethrin	0.01	0.1	0.5	ND	Pass
Dimethoate	0.01	0.1	0.01	ND	Pass	Pyridaben	0.01	0.1	0.1	ND	Pass	Dimethoate	0.01	0.1	0.01	ND	Pass	Pyridaben	0.01	0.1	0.1	ND	Pass
Dimethomorph	0.01	0.1	0.1	ND	Pass	Spinetoram	0.01	0.1	0.1	ND	Pass	Dimethomorph	0.01	0.1	0.1	ND	Pass	Spinetoram	0.01	0.1	0.1	ND	Pass
Ethoprophos	0.01	0.1	0.01	ND	Pass	Spinosad	0.01	0.1	0.1	ND	Pass	Ethoprophos	0.01	0.1	0.01	ND	Pass	Spinosad	0.01	0.1	0.1	ND	Pass
Etofenprox	0.01	0.1	0.01	ND	Pass	Spiromesifen	0.01	0.1	0.1	ND	Pass	Etofenprox	0.01	0.1	0.01	ND	Pass	Spiromesifen	0.01	0.1	0.1	ND	Pass
Etoazole	0.01	0.1	0.1	ND	Pass	Spirotetramat	0.01	0.1	0.1	ND	Pass	Etoazole	0.01	0.1	0.1	ND	Pass	Spirotetramat	0.01	0.1	0.1	ND	Pass
Fenhexamid	0.01	0.1	0.1	ND	Pass	Spiroxamine	0.01	0.1	0.01	ND	Pass	Fenhexamid	0.01	0.1	0.1	ND	Pass	Spiroxamine	0.01	0.1	0.01	ND	Pass
Fenoxycarb	0.01	0.1	0.01	ND	Pass	Tebuconazole	0.01	0.1	0.01	ND	Pass	Fenoxycarb	0.01	0.1	0.01	ND	Pass	Tebuconazole	0.01	0.1	0.01	ND	Pass
Fenpyroximate	0.01	0.1	0.1	ND	Pass	Thiabendazole	0.01	0.1	0.01	ND	Pass	Fenpyroximate	0.01	0.1	0.1	ND	Pass	Thiabendazole	0.01	0.1	0.01	ND	Pass
Flipronil	0.01	0.1	0.01	ND	Pass	Thiamethoxam	0.01	0.1	5	ND	Pass	Flipronil	0.01	0.1	0.01	ND	Pass	Thiamethoxam	0.01	0.1	5	ND	Pass
Flonicamid	0.01	0.1	0.1	ND	Pass	Trifloxystrobin	0.01	0.1	0.1	ND	Pass	Flonicamid	0.01	0.1	0.1	ND	Pass	Trifloxystrobin	0.01	0.1	0.1	ND	Pass

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 Website: www.gochemtek.com
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