

## CERTIFICATE OF ANALYSIS

Product Name:	<b>Surge Plus</b>
Date Certified:	April 16 2022
Expiry Date:	April 15 2024

PESTICIDES		in milligrams per liter (Parts per Million)			
Abamectin	< 0.5	Dodemorph	< 0.1	Novaluron	< 0.1
Acephate	< 0.05	Endosulfan-alpha	< 0.05	Oxamyl	< 0.1
Acetamiprid	< 0.1	Endosulfan-beta	< 0.05	Paclobutrazol	< 0.1
Acequinocyl	< 0.5	Endosulfan sulfate	< 0.1	Parathion-methyl	< 0.1
Aldicarb	< 0.1	Ethoprophos	< 0.1	Permethrin	< 0.2
Allethrin	< 0.1	Etofenprox	< 0.1	Phenothrin	< 0.1
Azadirachtin	< 0.1	Etoxazole	< 0.1	Phosmet	< 0.1
Azoxystrobin	< 0.1	Etridiazol	< 0.1	Piperonyl butoxide	< 0.1
Benzovindiflupyr	< 0.1	Fenoxycarb	< 0.1	Pirimicarb	< 0.1
Bifenazate	< 0.2	Fenpyroximate	< 0.1	Propoxur	< 0.05
Bifenthrin	< 0.2	Fensulfothion	< 0.1	Prallethrin	< 0.1
Boscalid	< 0.1	Fenthion	< 0.1	Propiconazole	< 0.1
Buprofezin	< 0.1	Fenvalerate	< 0.5	Pyraclostrobin	< 0.1
Carbaryl	< 0.05	Fipronil	< 0.1	Pyrethrins	< 0.05
Carbofuran	< 0.05	Fonicamid	< 0.05	Pyridaben	< 0.1
Chlorantraniliprole	< 0.1	Fludioxonil	< 0.2	Quintozene	< 0.05
Chlorphenapyr	< 0.2	Fluopyram	< 0.1	Resmethrin	< 0.1
Chlorpyrifos	< 0.1	Hexythiazox	< 0.1	Spinetoram	< 0.1
Clofentezine	< 0.1	Imazalil	< 0.1	Spinosad	< 0.1
Clothianidin	< 0.1	Imidacloprid	< 0.1	Spirodiclofen	< 0.2
Coumaphos	< 0.1	Iprodione	< 0.1	Spiromesifen	< 0.5
Cyantranilipole	< 0.2	Kinoprene	< 0.2	Spirotetramat	< 0.1
Cyfluthrin	< 0.1	Kresoxim-methyl	< 0.1	Spiroxamine	< 0.1
Cypermethrin	< 0.5	Malathion	< 0.2	Tebuconazole	< 0.1
Cyprodinil	< 0.1	Metalaxyl	< 0.1	Tebufenozide	< 0.1
Daminozide	< 0.2	Methiocarb	< 0.1	Teflubenzuron	< 0.1
Deltamethrin	< 0.1	Methomyl	< 0.05	Tetrachlorvinphos	< 0.1
Diazinon	< 0.2	Methoprene	< 0.2	Tetramethrin	< 0.1
Dichlorvos	< 0.1	Mevinphos	< 0.1	Thiacloprid	< 0.1
Dimethoate	< 0.05	MGK-264	< 0.1	Thiamethoxam	< 0.1
Dimethomorph	< 0.2	Myclobutanil	< 0.2	Thiophanate-methyl	< 0.05
Dinotefuran	< 0.1	Naled	< 0.1	Trifloxystrobin	< 0.1

<b>HEAVY METALS</b>		<b>in micrograms per gram (Parts per Million)</b>	
Aluminum	2710	Mercury	0.012
Antimony	<0.2	Molybdenum	0.6
Arsenic	1	Nickel	2.6
Barium	72	Selenium	<0.5
Beryllium	0.2	Silver	<0.1
Boron	180	Strontium	39
Cadmium	<0.1	Thallium	<0.2
Chromium	4.9	Tin	<0.1
Cobalt	0.8	Titanium	106
Copper	1.4	Uranium	0.3
Iron	1410	Vanadium	2.9
Lead	1.1	Zinc	3.9
Manganese	37		

<b>PATHOGENIC BACTERIA</b>			
Fecal Coliforms	<1 per 100 ml	Salmonella	Not detectable in 10 ml

<b>MYCOTOXINS</b>		<b>in micrograms per gram (Parts per Million)</b>	
Aflatoxin B1	<0.05	Aflatoxin G1	<0.05
Aflatoxin B2	<0.05	Aflatoxin G2	<0.05

Notes:

- Analysis is conducted on a yearly basis using aliquots of all the batches produced in the previous year combined into one sample.
- The analysis of this fertilizer product was completed by the Saskatchewan Research Council between March 16<sup>th</sup> and April 8<sup>th</sup>, 2022.
- Pesticide and Mycotoxin testing conforms to Health Canada guidelines on Cannabis production, Heavy Metal, Coliform, and Salmonella conform to levels mandated by the Canadian Food Inspection Agency (CFIA).

Approved By

  
Loren Price – Director of Fertilizer Technology

