



## Specifications: Meadowfoam Seed Oil XPR

Property	Tolerance	Typical Value	Method <sup>1</sup>
Appearance, 25° C	Clear	Clear	Visual
Odor	none	none	Organoleptic
Free Fatty Acids, % as oleic	0.05 (max)	0.03	Ca 5a-40
Color, Gardner	4 (max)	3	Td 1a-64
Color, Lovibond	15Y / 1.5R (max)	10Y / 1.0R	Cc 13b-45
Iodine Value, Wijs	85 – 95	90	Cd 1c-85/ Cd 1d-92
Cold Test, hours @ 7° C	24 (min)	>48	Visual <sup>2</sup>
Peroxide Value, meq/kg	10 (max)	0-1.0	Cd 8b-90 <sup>3</sup>
Saponification Value	160 – 174	169	Cd 3a-94
OSI, hours @ 130° C	10 (min)	11	Cd 12b-92
Heavy Metals <sup>4</sup> , ppm	10 (max)	<1	Ca 17a-18
Unsaponifiable Matter	2% (max)	0.6%	Ca 6a-40

### Fatty Acid Composition

C20:1 (Δ5)	58-66%		Ce 2-66 / Ce 1h-05
C22:1 (Δ5)	3-6%		Ce 2-66 / Ce 1h-05
C22:1 (Δ13)	10-15%		Ce 2-66 / Ce 1h-05
C22:2 (Δ5Δ13)	14-21%		Ce 2-66 / Ce 1h-05

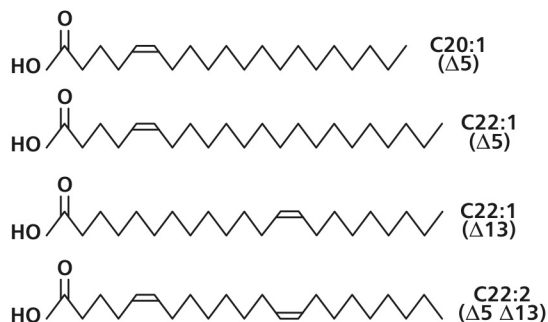
<sup>1</sup> Official Methods of the American Oil Chemists' Society unless otherwise noted

<sup>2</sup> Oil is heated to 90° C then filtered to remove residual moisture

<sup>3</sup> In factory sealed packaging

<sup>4</sup> Metals analyzed: Fe, Cu, Pb, Hg, Cd, Se, Cr

Effective date: 19 March 2025



This data is presented in good faith and is based on information believed to be reliable, which is offered solely for evaluation, investigation, and verification of the numerous factors that may affect results. Natural Plant Products, LLC produces and sells Meadowfoam Seed Oil XPR with the understanding that purchasers will perform their own tests to determine the suitability of this product for their own particular use. Warranty as to accuracy or result is neither given nor implied. Natural Plant Products, LLC assumes no liability or responsibility for any damage to person or property resulting from or incident to the use of this product. Statements concerning the use of Natural Plant Products Meadowfoam Seed Oil XPR are not to be construed as re-commendations, suggestions, or inducements to use it in the infringement of any patent or in violation of any applicable laws or regulations. No liability arising out of such a use is assumed.

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Phone: (503) 583-6402  
Fax: (503) 587-8717  
Email: [sales@meadowfoam.com](mailto:sales@meadowfoam.com)

P.O. Box 4306  
Salem, OR 97302 USA

[www.meadowfoam.com](http://www.meadowfoam.com)