

UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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RIMFROST AS

Petitioner

v.

AKER BIOMARINE ANTARCTIC AS

Patent Owner

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Case: IPR2020-01532

U.S. Patent No. 9,644,169 B2

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**DECLARATION OF DR STEPHEN J. TALLON**

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“krill oil” means “lipids extracted from krill” .....57

“astaxanthin” means “the astaxanthin molecule having the structure shown below and includes both cis- and trans forms of the molecule:.....63

“astaxanthin esters” means “astaxanthin molecules in which one or both of the hydroxyl groups are replaced by a fatty acid tail connected to the astaxanthin molecule through an ester bond.” .....68

“about” extends the number it modifies to include the range provided by rounding, and means “a range about the number it modifies which when rounded provides the number it modifies” .....	69
“to denature lipases and phospholipases” means “to alter the conformational structure of lipases and phospholipases to reduce lipid and phospholipid decomposition” .....	71
“freshly harvested krill” means “recently caught krill that has not significantly degraded” .....	75
“polar solvent” means “solvent or mixtures of solvents capable of extracting polar lipids comprising phospholipids” .....	77
“krill meal” means “processed krill, with reduced water content, from which krill oil can be extracted.” .....	80
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