



pharmatech

CERTIFICATE OF ANALYSIS

Producer	Pharmatech AS
Product name	Norsk Tran
Customer	Norwegian Pharma AS
Batch number	B0017598
Manufacturing date	30.03.2020

LABORATORY ANALYSIS

VISUAL	Specifications	Results	Units
Colour	Yellow	OK	[Pass]
Consistency	Oil	OK	[Pass]
Odour	Lemon / Herbal	OK	[Pass]

GC	Specifications	Results	Units
EPA	C20:5 n-3	-	8,1
DHA	C22:6 n-3	-	10,7

TITRATION	Specifications	Results	Units
Peroxide	< 10	0,6	[mEq/kg]
Free Fatty Acid	< 1	0,02	[%]
Acid Value	< 2	0,04	[mg KOH/g]

TOTAL OXIDATION	Specifications	Results*	Units
Totox	< 30	2,47	-

* the result of the analysis from pure cod liver oil

UV SPECTROPHOTOMETRY	Specifications	Results*	Units
Anisidine	< 30	2,07	[AnV]

* the result of the analysis from pure cod liver oil

TITRATION	Specifications	Results*	Units
Peroxide	< 10	0,2	[mEq/kg]

* the result of the analysis from pure cod liver oil

MICROBIOLOGY	Specifications	Results	Units
Total plate count	< 10 000	< 10	[cfu/g]
Total mould and yeast count	< 100	< 100	[cfu/g]
<i>E. coli</i>	Absent in 1 g or 1 mL	Absent	[cfu/g]
<i>Staphylococcus aureus</i>	Absent in 1 g or 1 mL	Absent	[cfu/g]
<i>Salmonella</i>	Absent in 25 g or 25 mL	Absent	[cfu/g]

CONTENTS

Ingredients Cod liver oil, natural lemon aroma, *d,l-alpha* tocopherol, antioxidant (natural tocopherols, rosemary (*Rosmarinus officinalis*)), oregano (*Origanum vulgare*), thyme (*Thymus vulgaris*), clove (*Syzygium aromaticum*).

This lot was manufactured in accordance with the principles and guidelines of good manufacturing practice for medicinal products for human use, as is required by the directive 2003/94/EC.
