



Milking Equipment Dealers Association
CHEM-STAR TEAT DIPS
 DATA AND TEST INFORMATION
 REVISED 2020



PRODUCT

ACTIVE INGREDIENTS

EFFICACY & SAFETY

BEE-LINE GOLD PRE
(NPE Free)

.5% Lactic Acid, .1% Pelargonic Acid
1% Dodecyl Benzene Sulfonic Acid (4% emollients)

AOAC Test-8 Organisms (10% milk)

BEE-LINE GOLD POST
(NPE Free)

.5% Lactic Acid, .1% Pelargonic Acid
1% Dodecyl Benzene Sulfonic Acid (8% emollients)

AOAC Test – 8 Organisms (10% milk)

*EXCELLENT for Robots, Scrubbers & TSR's

CODE GREEN
(NPE Free)

0.7% Heptanoic Acid
(10% Emollients)
Lanolin/Glycerin/Plus Proprietary Conditioner

NMC- Experimental Challenge Protocol
Cornell University 8/19/02

MASTICARE PRE-POST
(NPE Free)

Lactic Acid 2.2%, Salicylic Acid .1%
(8% emollients)
Propylene Glycol/Glycerin

AOAC Test – 2 Organisms

ECO-PLUS 50 S.A.
(NPE Free-Organic Approved)

0.50% Iodine*
(Lanolin Emollient)

AOAC Test- 5 Organisms
NMC – Experimental Challenge Protocol

ECO-GARD 50 S.A.
(NPE Free-Organic Approved)

0.50% Iodine*
(2% Emollients)

AOAC Test-2 Organisms

ECO-PLUS 50 S.A.
(NPE Free-Organic Approved)

0.50% Iodine*
(5% Emollients)

AOAC Test-8 Organisms (10% Milk)

ECOL-PLUS 100 S.A.
(NPE Free-Organic Approved)

1.0% Iodine*
(3% Emollients)

AOAC Test-2 Organisms

ECO-PLUS 100 S.A.
(NPE Free-Organic Approved)

1.0% Iodine*
(10% Emollients)

AOAC Test-8 Organisms

LEGEND-SA CONC.
(NPE Free - Organic Approved)

0.50% Iodine* (Use Solution)
5.0% Emollient System

AOAC Test – 8 Organisms, Modified GDST (10% milk)
8 – Organisms

LEGEND-SA CONC.
(NPE Free - Organic Approved)

1.0% Iodine* (Use Solution)
(10% Emollient Solution)

AOAC Test – 8 Organisms, Modified GDST (10% milk)
8 – Organisms

BARRIER 112
(NPE Free)
***BEST SELLER

Primary Germicide - 1.0% Iodine*
Secondary Germicide - .4% Heptanoic Acid
(12% Emollient System)

NMC – Experimental Challenge, GDST (10% milk)
2 Organisms, University Herd Irritation Evaluation

IDEAL (Barrier)
(NPE Free-Organic Approved)

Primary Germicide - 1.0% Iodine*
Secondary Germicide - .4% Heptanoic Acid
(12% Emollient System)

NMC – Experimental Challenge, GDST (10% milk)
2 Organisms, University Herd Irritation Evaluation

REMAIN GOLD (Barrier)
(NPE Free)

Bronopol .2%
(9% emollients including)
Glycerin/Lanolin

AOAC Test – 3 Organisms

MASTICARE FILM (Barrier)
(NPE Free)

Lactic Acid 2.2%, Salicylic Acid .1%
(8% emollients)
Propylene Glycol/Glycerin

AOAC Test – 2 Organisms

BARRIER 710
(NPE Free)

0.7% Heptanoic Acid
(10% Emollients)
Lanolin/Glycerin/Plus Proprietary Conditioner

NMC- Experimental Challenge Protocol
Cornell University 8/19/02

SENTINEL PLUS
(NPE Free)

Primary Germicide - 0.50% Hydrogen Peroxide
1.75% Lactic Acid
Secondary Germicide - 0.50% LAS
(10% Emollient System)

AOAC Test – 8 Organisms
NMC – Experimental Challenge Protocol
NMC – Natural Exposure Protocol
Modified GDST (10% milk), 8 – Organisms

PUR-OXY
(NPE Free-Organic Approved)

0.5% Hydrogen Peroxide
1.7% Lactic Acid
(10% Emollient System)

Modified GDST (10% milk), 8 -Organisms

MORE ON BACK-->

PRODUCT

ACTIVE INGREDIENTS

EFFICACY & SAFETY

CHEM-STAR RECOVER
(NPE Free)
***EXCELLENT WINTER DIP

1.5% Heptanoic Acid – 5 log or Better Kill)
(78% Emollient System)

AOAC Test – 15 Sec. / 10% Milk, 8 – Organisms

Valiant Chlorine Dioxide Teat Dips – Gold Standard

VALIANT SHIELD
(NPE Free-BARRIER)
***BEST SELLER

Primary Germicide - Chlorine Dioxide
Secondary Germicide - heptanoic acid
Skin Conditioner –5.5%
*Green Marking

AOAC Test – 8 Organisms 10% Milk
Additional pathogens: Mycoplasma bovis & Serratia marcescen

VALIANT BARRIER
(NPE Free)

Primary Germicide - Chlorine Dioxide
Secondary Germicide - LAS
Skin Conditioner – 11%

AOAC Test – 8 Organisms 10% Milk
Experimental Challenge – Cornell University

VALIANT PRE
(NPE Free)
***BEST SELLER

Primary Germicide - Chlorine Dioxide
Secondary Germicide - LAS
Skin Conditioner – 1.4%
Surfactant Package
*Blue Marking

AOAC Test – 8 Organisms 10% Milk
Experimental Challenge – Cornell University

VALIANT PRE/POST
(NPE Free)
***BEST SELLER

Primary Germicide - Chlorine Dioxide
Secondary Germicide - LAS
Skin Conditioner –12.4%
*Green Marking

AOAC Test – 8 Organisms 10% Milk
Experimental Challenge – Cornell University

ENCORE BARRIER
(NPE Free –Organic Pending)

Germicide - Chlorine Dioxide
Skin Conditioner – 2.5%

AOAC Test – 8 Organisms 10% Milk
Experimental Challenge – Cornell University

ENCORE PRE/POST
(NPE Free)

Germicide - Chlorine Dioxide
Skin Conditioner – 8%

AOAC Test – 8 Organisms 10% Milk
Experimental Challenge – Cornell University

***Only ORGANIC APPROVED Chlorine Dioxide Teat Dip)

EXPRESS PRIME
(NPE Free)
***BEST SELLER

Primary Germicide - Chlorine Dioxide
Secondary Germicide - LAS
(9) Blended Skin Conditioners
*Green Marking

AOAC Test – 8 Organisms 10% Milk

EXPRESS
(NPE Free)

Primary Germicide - Chlorine Dioxide
Secondary Germicide - LAS
Skin Conditioner – 1.65%
*Offered in Yellow or Blue Marking

AOAC Test – 8 Organisms 10% Milk

*All Chem-Star / ECOLAB and ABS Teat Dips have a 5 Log – 15 Second Kill.... All Teat Dips are tested under a 10% Milk Load Challenge.

*All Iodine determination is performed using the traditional Topical Solution Method as specified in the USP 33 Reissue for Iodine Topical Solution. No acid is used in Iodine determination.



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