



MEDTEC CAST COMFORT SPRAY SPECIFICATION

IDENTIFICATION

Product Name: **MEDTEC CAST COMFORT SPRAY**
Product type: Aerosol
Use of the substance and/ or preparation: Cast comfort

Manufacturer: Chaturong Cooling Limited Partnership
No.39/4-5, SPK Factory Land, Moo 4,
345-Bangbuathong Road, Lahan,
Bangbuathong, Nonthaburi, Thailand 111 10
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COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient name | CAS No. |
|--|--------------|
| BUTANE | 0000106-97-8 |
| PROPANE | 0000074-98-6 |
| ISOPROPANOL | 0000067-63-0 |
| MELALEUCA ALTERNAFOLIA (TEA TREE) LEAF OIL | 0008022-72-8 |
| PENTYLENE GLYCOL | 0005343-92-0 |
| CAPRYLYL GLYCOL | 0001117-86-8 |
| DECYLENE GLYCOL | 0001119-86-4 |
| CALCIUM SODIUM BOROSILICATE | N/A |
| MENTHOL | 0002216-51-5 |

SPECIFICATION AND SPECIFICATION METHODS

| Test Item | Specification | Inpection number | Method |
|-----------------------------|---------------|------------------|---|
| Crimp Diameter mm. | 27.10 - 27.30 | 10 | Clinch Diameter Gauge |
| Crimp Depth mm. | 5.10 – 5.30 | 10 | Clinch Depth Gauge |
| Pressure at 30 deg. C, Mpa | 0.51 – 0.62 | 10 | Pressure Gauge |
| Spray Rate at 30 deg.C, g/s | 1.00 – 1.50 | 1 | Spray until empty (spray 5 seconds in each time until the can is empty) |





| | | | |
|--|----------------------|--------------------------|------------------------------|
| Odour | Conform to standard | 1 | Smelling Test |
| Appearance | Fine mist spray | 1 | Visual inspection |
| WEIGHT CONTROL: | | | |
| Test Item | Specification | Inpection number | Method |
| Bulk Product (g) | 46.80 – 47.80 | 10 | Digital scale |
| Propellant (psi) | 45.0 – 46.0 | 10 | Pressure Gauge |
| PG (Can) (g) | 132.80 – 134.80 | 10 | Digital scale |
| Cartons + FG x Pc(s) (kg) | 3.38 – 3.43 | 2 | Digital scale |
| Carton quality* | | Inpection number | Remark if substandard |
| Appearance _____ Accept _____ Reject | | 2 | |
| Pringting Quality _____ Accept _____ Reject | | 2 | |
| Colour _____ Accept _____ Reject | | 2 | |
| Metal Aerosol (Finish Goods) Quality** | | In pection number | Remark if substandard |
| Appearance (dust, hair) _____ Accept _____ Reject | | 32 | |
| Appearance (label, film) _____ Accept _____ Reject | | 32 | |
| Colour _____ Accept _____ Reject | | 32 | |

Remark: * Inspect the carton by using MIL-STD-105E table at level S3

** Inspect quality of cans by using MIL-STD-105E table at level II





CHATURONG COOLING LIMITED PARTNERSHIP
CERTIFICATE OF ANALYSIS

| Product : MEDTEC Cast Comfort Spray | | Size : 150 ml. | Issue Date : 28/08/2020 |
|---|--------------------------|------------------------------------|--------------------------------|
| Production Date : 26/08/2020 | Quantity 200 Cans | Customer Lot No : 081800220 | |
| Customer : ห้างหุ้นส่วนจำกัด ชัตรุงคูลิ่ง | | Purchase Order No : - | |
| Remark : | | | |
| Test Item | Specification | Inspection number | Results |
| Crimp Diameter mm. | 27.10 - 27.30 | 10 | 27.22 - 27.28 |
| Crimp Depth mm. | 5.10 - 5.30 | 10 | 5.20 - 5.21 |
| Pressure at 30 deg. C, Mpa | 0.51 - 0.62 | 10 | 0.55 (80 psi) |
| Spray Rate at 30 deg.C,g/s | 1.00 - 1.50 | 1 | 1.32 |
| Odour | Conform to standard | 1 | pass |
| Appearance | Fine mist spray | 1 | pass |
| WEIGHT CONTROL: | | | |
| ITEM | SPEC. | Inspection number | Results |
| Bulk Product (g) | 46.80 - 47.80 | 10 | 47.30 |
| Hydrocarbon Propellant (g) | 45.0 - 46.0 | 10 | 45.70 |
| FG (Can) (g) | 132.80 - 134.80 | 10 | 133.55 |
| Cartons + FG x 24 Pc(s) (kg) | 3.38 - 3.43 | 2 | 3.43 |
| Remark : Carton Size 189 x 279 x 190 mm. : 192g (±5) | | | |
| Carton Quality* | | Inspection number | Remark if substandard |
| Appearance | 2 Accept _____ Reject | 2 | |
| Printing Quality | 2 Accept _____ Reject | 2 | |
| Colour | 2 Accept _____ Reject | 2 | |
| Metal Aerosol (Finish Goods) Quality** | | Inspection number | Remark if substandard |
| Appearance(dust,hair) | 32 Accept _____ Reject | 32 | |
| Appearance(label,film) | 32 Accept _____ Reject | 32 | |
| Colour | 32 Accept _____ Reject | 32 | |
| QC By : | | Approved By : | |
| For ห้างหุ้นส่วนจำกัด ชัตรุงคูลิ่ง Approved By : | | | |

Remark : * Inspect the carton by using MIL-STD-105E table at level S3
** Inspect quality of cans by using MIL-STD-105E table at level II





ตารางมาตรฐานการยอมรับ MIL - STD - 105E

Acceptable Quality Level : AQL [MIL-105E]

วิธีการตรวจสอบ

| Lot Size | | วิธีการตรวจสอบ | | | | | | | | | | | | | |
|----------|-----------|----------------|----------|--------|--------|--------|--------|--------|----------|-------|--------|--------|--------|--------|--------|
| Min | Max | ระดับ II | | | | | | | ระดับ S3 | | | | | | |
| | | Sample | | | | 1.00% | | | Sample | | | 0.65% | | 1.00% | |
| | | Code | Unit | % | Accept | Reject | Accept | Reject | Code | Unit | % | Accept | Reject | Accept | Reject |
| 2 | 8 | A | 2.00 | 25.00% | 0 | 1 | 0 | 1 | A | 2.00 | 25.00% | 0 | 1 | 0 | 1 |
| 9 | 15 | B | 3.00 | 20.00% | 0 | 1 | 0 | 1 | A | 2.00 | 13.33% | 0 | 1 | 0 | 1 |
| 10 | 25 | C | 5.00 | 20.00% | 0 | 1 | 0 | 1 | B | 3.00 | 12.00% | 0 | 1 | 0 | 1 |
| 26 | 50 | D | 8.00 | 16.00% | 0 | 1 | 0 | 1 | B | 3.00 | 6.00% | 0 | 1 | 0 | 1 |
| 51 | 90 | E | 13.00 | 14.44% | 0 | 1 | 0 | 1 | C | 5.00 | 5.56% | 0 | 1 | 0 | 1 |
| 91 | 150 | F | 20.00 | 13.33% | 0 | 1 | 0 | 1 | C | 5.00 | 3.33% | 0 | 1 | 0 | 1 |
| 150 | 280 | G | 32.00 | 11.43% | 1 | 2 | 1 | 2 | D | 8.00 | 2.86% | 0 | 1 | 0 | 1 |
| 281 | 500 | H | 50.00 | 10.00% | 1 | 2 | 1 | 2 | D | 8.00 | 1.60% | 0 | 1 | 0 | 1 |
| 501 | 1,200 | J | 80.00 | 6.67% | 1 | 2 | 2 | 3 | E | 13.00 | 1.08% | 0 | 1 | 0 | 1 |
| 1,201 | 3,200 | K | 125.00 | 3.91% | 2 | 3 | 3 | 4 | E | 13.00 | 0.41% | 0 | 1 | 0 | 1 |
| 3,201 | 10,000 | L | 200.00 | 2.00% | 3 | 4 | 5 | 6 | F | 20.00 | 0.20% | 0 | 1 | 0 | 1 |
| 10,001 | 35,000 | M | 315.00 | 0.90% | 5 | 6 | 7 | 8 | F | 20.00 | 0.06% | 0 | 1 | 0 | 1 |
| 35,001 | 150,000 | N | 500.00 | 0.33% | 7 | 8 | 10 | 11 | G | 32.00 | 0.02% | 0 | 1 | 1 | 2 |
| 150,001 | 500,000 | P | 800.00 | 0.16% | 10 | 11 | 14 | 15 | G | 32.00 | 0.01% | 0 | 1 | 1 | 2 |
| 500,001 | 1,000,000 | Q | 1,250.00 | 0.13% | 14 | 15 | 21 | 22 | H | 50.00 | 0.01% | 0 | 1 | 1 | 2 |

หมายเหตุ

- 1) ใช้ AQL 1.00 %
- 2) การตรวจคุณลักษณะทั่วไป ใช้การตรวจระดับ II
- 3) การตรวจวัดค่าต่างๆ ใช้การตรวจระดับ S3



(Handwritten signature)