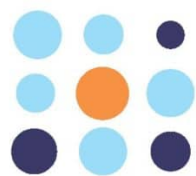




Pharma  
Primary  
Packaging



Pharma Primary Packaging Products Catalog



Creating  
confidence

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## Pharma Primary Packaging

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Pharma  
Primary  
Packaging



# We are committed to Creating Confidence

LOG Pharma Primary Packaging is a leader in the pharma packaging industry with more than 50 years of experience in providing a wide range of standard and customized packaging solutions and dedicated and responsive customer support to leading global pharmaceutical companies.



**Confidence** that your product will be protected and delivered in the best possible condition



**Confidence** that LOG will deliver cutting-edge innovation that will meet your current and future market needs



**Confidence** that LOG is the right choice as your long-term partner





Meeting the Challenge with

## LOG's Barrier Packaging Solutions

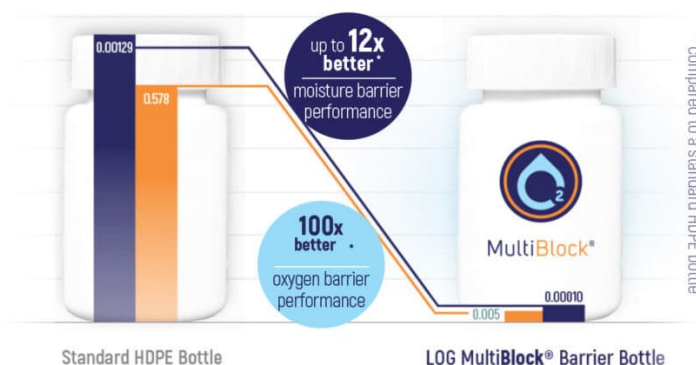
LOG has developed a series of world-leading barrier packaging solutions to extend the shelf life and protect innovative and generic drugs from exposure to moisture and/or oxygen.

LOG's barrier packaging solutions are available for liquids and solids and come in standard sizes from 12ml to 1500ml and with neck finishes between SP20 and SP53.

### Market-leading Barrier Packaging Solutions:



Tests have shown that **MultiBlock®** provides up to 12x better moisture barrier performance and 100x better oxygen barrier performance as compared to standard HDPE containers.



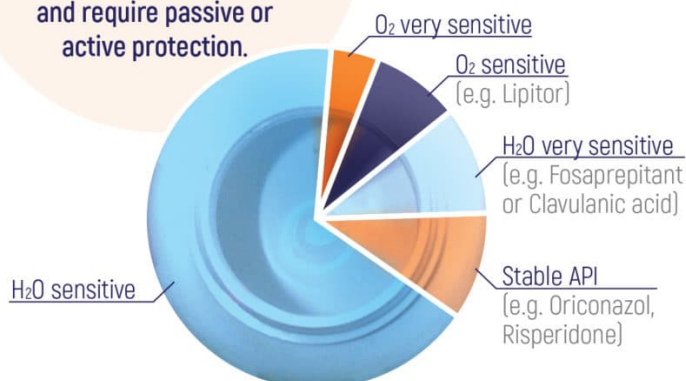
up to **4x** better  
moisture barrier performance



up to **100x** better  
oxygen barrier performance

- ✓ Increase confidence to pass drug stability test
- ✓ Shorten drug formulation development time
- ✓ Reduce the need for desiccants with the goal of eliminating them
- ✓ Extend drug shelf life
- ✓ Reduce head space and packaging size
- ✓ Reduce total cost of ownership
- ✓ Are successfully used and endorsed by global pharmaceutical companies

up to **90%**  
of all APIs used in  
pharmaceutical formulations  
are **sensitive** to  
moisture and/or oxygen  
and require passive or  
active protection.





## Moisture Barrier Packaging Solution

## MonoBlock® e-Series

The MonoBlock® product family offers protection for solid and liquid formulations that are sensitive to moisture. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ For moisture sensitive pharmaceutical formulations
- ✓ Up to 4x higher moisture barrier\*
- ✓ Sizes available: 15–1500 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
☑ 20015020011	15 0.5	19 0.6	20	25 1.0"	63 2.5"		
☑ 20040020012	40 1.4	44 1.5	33	38 1.5"	61 2.4"	✓	✓
☑ 20060020069	60 2.0	62 2.1	33	40 1.6"	75 3.0"	✓	✓
☑ 20060020078	60 2.0	68 2.3	33	34 1.3"	103 4.1"	✓	✓
☑ 20100020027	100 3.4	98 3.3	38	48 1.9"	78 3.1"	✓	✓
☑ 20120020023	120 4.1	128 4.3	38	56 2.2"	81 3.2"	✓	✓
☑ 20150020022	150 5.1	153 5.2	38	56 2.2"	94 3.7"	✓	✓
☑ 20200020020	200 6.8	210 7.1	38	61 2.4"	103 4.1"	✓	✓
☑ 20400020026	400 13.5	390 13.2	53	69 2.7"	135 5.3"		✓
☑ 20500020042	500 16.9	510 17.3	53	78 3.1"	140 5.5"		✓
☑ 20750020016	750 25.4	800 27.1	53	86 3.4"	172 6.8"		✓
☑ 21000020054	1,000 33.8	1,050 35.5	53	95 3.7"	186 7.3"		✓
☑ 21500020011	1,500 50.7	1,585 53.6	53	114 4.5"	197 7.8"		✓

## Product Features

- ▶ All bottles of the MonoBlock® e-Series product family provide outstanding moisture barrier performance, that is supported by exact WVTR results for each bottle size
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Extrusion Blow Molding
- ▶ Closures available:
  - ✓ Child-resistant closure
  - ✓ Screw closure (none CR)
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: White
  - ✓ Custom colors available on request

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\* compared to a standard HDPE bottle



## Moisture Barrier Packaging Solution

## MonoBlock® i-Series

The MonoBlock® product family offers protection for solid and liquid formulations that are sensitive to moisture. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ For moisture sensitive pharmaceutical formulations
- ✓ Up to 2x higher moisture barrier\*
- ✓ Sizes available: 40–160 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure	Active Guard®
☑ 20040020015	40 1.4	47 1.6	33	38 1.5"	60 2.4"	✓	✓	✓
☑ 20060020075	60 2.0	66 2.2	33	40 1.6"	75 3.0"	✓	✓	✓
☑ 20100020028	100 3.4	102 3.5	38	48 1.9"	78 3.1"	✓	✓	✓
☑ 20150020026	150 5.1	160 5.4	38	56 2.2"	94 3.7"	✓	✓	✓

## Product Features

- ▶ All bottles of the MonoBlock® i-Series product family provide superior moisture barrier performance, that is supported by exact WVTR results for each bottle size
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ ActiveGuard® provides a solution to integrate up to 4gr of desiccant into the packaging. For more information about ActiveGuard®, [click here](#)
- ▶ Closures available:
  - ✓ Child-resistant closure
  - ✓ Screw closure (none CR)
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: White
  - ✓ Custom colors available on request
- ▶ Production technology: Injection Blow Molding



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\* compared to a standard HDPE bottle



## Oxygen Barrier Packaging Solution

# OxyBlock

The OxyBlock® product family offers protection for solid formulations that are sensitive to oxygen permeation. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ For oxygen-sensitive pharmaceuticals
- ✓ Up to 100x Higher Oxygen Barrier\*
- ✓ Sizes available: 40–400 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
☑				"	"		
☑ 20040020009	40 1.4	52 1.8	33	38 1.5"	61 2.4"	✓	✓
☑ 20060020067	60 2.0	72 2.4	33	40 1.6"	75 3.0"	✓	✓
☑ 20060020079	60 2.0	80 2.7	33	34 1.3"	103 4.1"	✓	✓
☑ 20100020023	100 3.4	111 3.8	38	48 1.9"	78 3.1"	✓	✓
☑ 20120020019	120 4.1	145 4.9	38	56 2.2"	81 3.2"	✓	✓
☑ 20150020021	150 5.1	170 5.8	38	56 2.2"	94 3.7"	✓	✓
☑ 20200020019	200 6.8	225 7.6	38	61 2.4"	103 4.1"	✓	✓
☑ 20400020022	400 13.5	410 13.9	53	69 2.7"	135 5.3"		✓

## Product Features

- ▶ All bottles of the OxyBlock® product family provide superior oxygen barrier performance, that is supported by exact OTR results for each bottle size
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Co-Extrusion Blow Molding
- ▶ Closures available:
  - ✓ Child-resistant closure
  - ✓ Screw closure (none CR)
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: White



\* compared to a standard HDPE bottle

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## Oxygen &amp; Moisture Barrier Packaging Solution

## MultiBlock

The MultiBlock® products family offers protection for solid and liquid formulations that are sensitive to oxygen as well as moisture. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Up to 12x Higher Moisture Barrier
- ✓ Up to 100x Higher Oxygen Barrier\*
- ✓ Sizes available: 12–1500 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
☑ 20012020001	12 0.4	16 0.5	24	31 1.2"	41 1.6"		
☑ 20015020010	15 0.5	19 0.6	20	25 1.0"	63 2.5"		
☑ 20040020013	40 1.4	44 1.5	33	38 1.5"	61 2.4"	✓	✓
☑ 20060020060	60 2.0	62 2.1	33	40 1.6"	75 3.0"	✓	✓
☑ 20060020077	60 2.0	68 2.3	33	34 1.3"	103 4.1"	✓	✓
☑ 20100020026	100 3.4	98 3.3	38	48 1.9"	78 3.1"	✓	✓
☑ 20120020022	120 4.1	128 4.3	38	56 2.2"	81 3.2"	✓	✓
☑ 20150020023	150 5.1	153 5.2	38	56 2.2"	94 3.7"	✓	✓
☑ 20200020021	200 6.8	210 7.1	38	61 2.4"	103 4.1"	✓	✓
☑ 20400020027	400 13.5	390 13.2	53	69 2.7"	135 5.3"		✓
☑ 20750020012	750 25.4	800 27.1	53	86 3.4"	172 6.8"		✓
☑ 21500020006	1,500 50.7	1,572 53.2	53	114 4.5"	194 7.6"		✓

## Product Features

- ▶ All bottles of the MultiBlock® product family provide superior moisture & oxygen barrier performance, that is supported by exact WVTR & OTR results for each bottle size
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Co-Extrusion Blow Molding
- ▶ Closures available:
  - ✓ Child-resistant closure
  - ✓ Screw closure (none CR)
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: White

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\* compared to a standard HDPE bottle





Active Packaging Solution

## ActiveGuard®

ActiveGuard® is a patient-centric solution that is placed inside the neck of LOG's specially designed Barrier Bottles. The ActiveGuard® is prefilled with moisture desiccants and/or oxygen scavenger according to customer requirements.

▶ Watch ActiveGuard® product video

- ✓ Active and passive barrier protection in one solution
- ✓ Allows the use of heat seal liners for hermetic sealing and tamper evidence
- ✓ Most user-friendly packaging solution for moisture-sensitive formulations

### A Complete Packaging Solution

- 1 Child Resistant (CR) Closure
- 2 Induction Heat Seal (IHS) Liner
- 3 ActiveGuard®
- 4 Barrier Bottle



LOG Product ID ID#	Neck Finish mm	Desiccant gr
☑ 60033013001	33	up to 2gr
☑ 60038013001	38	up to 4gr



#### Product Features

- ▶ Patient Centricity:
  - ✓ Eliminates the need for desiccant sachets or canisters
  - ✓ Cannot fall in or out of the packaging
  - ✓ Removes the risk of swallowing the sachet/canister accidentally
  - ✓ Allows controlled dispensing of tablets
- ▶ Health Improvement:
  - ✓ Amount of desiccants and/or oxygen absorbers according to customer requirements
  - ✓ No direct contact with tablets, avoiding possible damage
- ▶ Packaging Optimization:
  - ✓ Positioned in previously unused space
  - ✓ Maximizes space for tablets
  - ✓ Reduces head space
  - ✓ Raw Material: HDPE Pharma-Grade
  - ✓ Production technology: Injection Molding

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## Pharma Packaging Solution

## HDPE Packaging for Solid Formulations

LOG's Classic HDPE packaging for solid formulations includes a wide range of products for the pharmaceutical industry, which offer high-quality level of material control and process integrity. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Deliver best-in-class products and services and a high level of documentation
- ✓ Sizes available: 30–1500 ml
- ✓ Set with a variety of LOG's closures to complete your product packaging



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
✓ 20030020005	30 1.0	42 1.4	33	36 1.4"	56 2.2"	✓	✓
✓ 20040020008	45 1.5	52 1.8	33	38 1.5"	61 2.4"	✓	✓
✓ 20060020030	60 2.0	72 2.4	33	40 1.6"	75 3.0"	✓	✓
✓ 20060020015	60 2.0	67 2.3	33	40 1.6"	71 2.8"	✓	✓
✓ 20075020001	75 2.5	75 2.5	33	41 1.6"	74 2.9"	✓	✓
✓ 20100020009	100 3.4	111 3.8	38	48 1.9"	78 3.1"	✓	✓
✓ 20120020006	120 4.1	140 4.7	38	51 2.0"	89 3.5"	✓	✓
✓ 20150020003	150 5.1	176 6.0	38	56 2.2"	94 3.7"	✓	✓
✓ 20200020006	200 6.8	240 8.1	45	61 2.4"	103 4.1"	✓	✓
✓ 20250020041	250 8.5	295 10.0	53	67 2.6"	104 4.1"		✓
✓ 20300020004	300 10.1	330 11.2	45	64 2.5"	125 4.9"	✓	✓
✓ 20400020017	400 13.5	420 14.2	53	69 2.7"	135 5.3"		✓
✓ 20500020030	500 16.9	570 19.3	53	78 3.1"	141 5.6"		✓
✓ 20750020002	750 25.4	850 28.7	53	86 3.4"	172 6.8"		✓
✓ 21500020004	1,500 50.7	1,642 55.5	53	114 4.5"	194 7.6"		✓

## Product Features

- ▶ All bottles belonging to the Classic HDPE product family ensure the protection of solid formulations
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Extrusion & Injection Blow Molding
- ▶ Custom bottle shapes can be developed and made available according to specific customer requirements.
- ▶ Closures available:
  - ✓ Child-resistant closure
  - ✓ Screw closure (none CR)
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: White
  - ✓ Custom colors available on request

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## Pharma Packaging Solution

## HDPE Packaging for Liquid Formulations

LOG's HDPE packaging for Liquid or Nasal Spray formulations include a range of products for the pharmaceutical industry, which offer high quality level of material control and process integrity. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Delivers first-class products, quality service and comprehensive documentation
- ✓ Specially designed for liquid dose



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	Screw Closure
☑ 20025020003	25 0.8	28 1.0	15	31 1.2"	63 2.5"	
☑ 20060020057	60 2.0	70 2.4	22	25 1.0"	97 3.8"	
☑ 20060020068	60 2.0	74 2.5	24	36 1.4"	97 3.8"	
☑ 20120020009	120 4.1	138 4.7	20	66 2.6"	124 4.9"	
☑ 20500020027	500 16.9	690 23.3	32	70 2.8"	184 7.2"	
☑ 21000010030	1,000 33.8	1,160 39.2	38	0 0.0"	214 8.4"	✓

## Product Features

- ▶ All bottles of the HDPE products family ensure the protection of the liquid formulations
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Extrusion & Injection Blow Molding
- ▶ Custom bottle shapes can be developed and made available according to specific customer requirements.
- ▶ Colors available:
  - ✓ Standard color: White
  - ✓ Custom colors available on request

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## Pharma Packaging Solution

## LOGPET Packaging for Liquid Formulations

The LOGPET Series is our outstanding and excellent, high-quality range and Pharma grade for various liquid applications such as syrups and oral-liquids. We offer stable, robust, and reliable manufacturing processes to ensure bottles adhere to regulatory procedures.

The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Delivers first-class products, quality service, and comprehensive documentation
- ✓ Pharma Grade Products
- ✓ Specially designed for liquid doses
- ✓ Sizes available: 60–500 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
✓ 20060120021	60 2.0	76 2.6	24	40 1.6"	90 3.5"		
✓ 20060120020	60 2.0	76 2.6	28	40 1.6"	90 3.5"	✓	✓
✓ 20120120012	120 4.1	132 4.5	24	47 1.9"	108 4.3"		
✓ 20125120018	125 4.2	135 4.6	28	46 1.8"	113 4.4"	✓	✓
✓ 20150120016	150 5.1	161 5.4	28	51 2.0"	113 4.4"	✓	✓
✓ 20250120017	250 8.5	261 8.8	28	55 2.2"	145 5.7"	✓	✓
✓ 20300120006	300 10.1	311 10.5	28	60 2.4"	145 5.7"	✓	✓
✓ 20330120008	330 11.2	334 11.3	28	62 2.4"	145 5.7"	✓	✓
✓ 20500120016	500 16.9	507 17.1	28	53 2.1"	180 7.1"	✓	✓

## Product Features

- ▶ All bottles belonging to the LOGPET product family assure quality protection of liquid formulations
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: PET Pharma-Grade
- ▶ Production technology: Injection Stretch Blow Molding
- ▶ Colors available:
  - ✓ Standard color: Amber
  - ✓ Custom colors available on request



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## Pharma Packaging Solution

## Dry Powder Bottles

LOG's Dry Powder Packaging family offers an ideal solution for dry powder oral suspension formulations.

The series comprises barrier bottles, which protect powder from the damaging effects of moisture and humidity, and exact-weight bottles manufactured to meet strict pharmaceutical tolerance standards. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Specially designed for dry-powder formulations
- ✓ Pharma Grade Products
- ✓ Sizes available: 160 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
✓ 20060010023	60 2.0	72 2.4	28	41 1.6"	85 3.4"	✓	✓
✓ 20060010022	60 2.0	78 2.6	28	41 1.6"	85 3.4"	✓	✓
✓ 20090010009	90 3.0	111 3.8	28	46 1.8"	105 4.1"	✓	✓
✓ 20160010008	160 5.4	160 5.4	28	52 2.1"	110 4.3"	✓	✓

### Product Features

- ▶ All bottles of the Dry Powder products family ensure the protection of the dry-powder formulations
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: HDPE Pharma-Grade
- ▶ Production technology: Extrusion & Injection Blow Molding
- ▶ Closures available:
  - ✓ Child-resistant closures
  - ✓ Closures available with several liner types
- ▶ Colors available:
  - ✓ Standard color: natural
  - ✓ Custom colors available on request



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## Custom Pharma Packaging Solutions

## Special Applications

LOG's custom packing solutions provide you with a wide range of consumer-specific pharma packaging options, uniquely manufactured at the highest quality with numerous possibilities of raw materials, applications, capacities, shapes and colors.

- ✓ Manufactured according to cGMP standards
- ✓ Uniquely designed for your pharma needs

## We are your partner for uniquely designed custom packaging

LOG continues to provide its clients with custom solutions as the partner offering optimal design packaging for sensitive drug formulations.

Our high-quality and consistent manufacturing processes are per international industry standards that provide you with a quality and specially-designed solution that your pharmaceutical demand.

**Get one of your custom-designed options today!**



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch
☑ <a href="#">20020020015</a>	20 0.7	23 0.8	18	28 1.1"	57 2.2"
☑ <a href="#">20030020018</a>	30 1.0	34 1.1	18	31 1.2"	69 2.7"
☑ <a href="#">20060020028</a>	60 2.0	74 2.5	20	37 1.5"	95 3.7"

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## Nutraceuticals Packaging Solution

### Vitamin & Supplement Packaging for Solid Formulations

The LOG-Packer series keeps your vitamins, minerals and supplements safe and secure with a robust and high-quality standard. The products are manufactured according to cGMP guidelines for the pharmaceutical and nutraceutical market.

- ✓ Wide-Mouth PET Packer Round Packers
- ✓ Product line with several colors
- ✓ Size availability: 120, 150, 200, 250 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure
☑ 20120020024	120 4.1	140 4.7	38	49 1.9"	92 3.6"	✓	✓
☑ 20150020024	150 5.1	170 5.7	38	50 2.0"	105 4.1"	✓	✓
☑ 20200020022	200 6.8	240 8.1	45	59 2.3"	110 4.3"	✓	✓
☑ 20250020044	250 8.5	290 9.8	45	64 2.5"	112 4.4"	✓	✓

#### Product Features

- ▶ All bottles of the PET products family ensure the protection of Capsules & tablets
- ▶ Raw Material: PET Food-Grade - virgin, rPET or mix based on customer requirement
- ▶ Production technology: Injection Stretch Blow Molding
- ▶ Colors available: ✓ Amber, Blue, Orange, Green, White and Transparent.



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## Healthcare Packaging Solution

### Healthcare & Sanitizer Packaging

The Healthcare Series is the provision of safe sanitization, hygienic, and disinfection conditions, which are essential to protecting our communities, homes, schools, marketplaces, and health care facilities. The products are manufactured according to cGMP guidelines for the pharmaceutical market.

- ✓ Wide range of designs
- ✓ Sizes available: 55–570 ml
- ✓ Short Leadtime: 4–6 weeks



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	CR Cap	Screw Closure	Flip Top
✓ 20055010001	55 1.9	54 1.8	18	23 0.9"	94 3.7"			
✓ 20100010012	100 3.4	120 4.1	20	34 1.3"	116 4.6"			✓
✓ 20125010016	125 4.2	135 4.6	28	46 1.8"	113 4.5"	✓	✓	
✓ 20250010013	250 8.5	261 8.8	28	55 2.2"	145 5.7"	✓	✓	
✓ 20300010004	300 10.1	311 10.5	28	60 2.4"	145 5.7"	✓	✓	
✓ 20300010013	300 10.1	330 11.2	28	45 1.8"	154 6.1"	✓	✓	
✓ 20500010087	500 16.9	524 17.7	28	70 2.8"	180 7.1"	✓	✓	
✓ 20500010011	500 16.9	690 23.3	32	70 2.8"	184 7.2"			
✓ 20570010001	570 19.3	614 20.8	32	75 3.0"	186 7.3"			

#### Product Features

- ▶ All bottles belonging to the healthcare product family ensure quality protection of liquid & gel formulations
- ▶ Raw Material: PET Food-Grade
- ▶ Production technology: Injection Stretch Blow Molding
- ▶ Colors available:
  - ✓ Standard color: transparent
  - ✓ Custom colors available on request



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## Dropper Packaging Solution

### LDPE Packaging for Liquid formulations

LOG's LDPE packaging for nasal & topical application includes a set of bottles and droppers, which offer high quality level of material control and process integrity.

The products are manufactured according to cGMP guidelines for the healthcare & the pharmaceutical market.

- ✓ Set with a variety of LOG's closures & droppers to complete your product packaging
- ✓ Sizes available: 10–50 ml



LOG Product ID ID#	Nominal Capacity ml oz	Overflow Capacity ml oz	Neck Finish mm	Diameter mm inch	Height mm inch	Tip Cap incl. TE Ring	Dropper Insert
20010020005	10 0.3	13 0.4	14	26 1.0"	48 1.9"	✓	✓
20015020005	15 0.5	18 0.6	14	25 1.0"	64 2.5"	✓	✓
20020020011	20 0.7	25 0.9	14	28 1.1"	64 2.5"	✓	✓
20025010002	25 0.8	28 1.0	14	31 1.2"	62 2.4"	✓	✓
20050020007	50 1.7	57 1.9	14	34 1.3"	93 3.7"	✓	✓

#### Dropper Closures



LOG Product ID ID#	Neck Finish mm	Diameter mm inch	Height mm inch
40014020005	14	0 0.0"	31 1.2"

#### Dropper Inserts



LOG Product ID ID#	Neck Finish mm	Width mm inch	Height mm inch
40009010004	9	0 0.0"	19 0.8"

#### Product Features

- ▶ All bottles belonging to the LDPE product family ensure quality protection of liquid formulations
- ▶ Listed in LOG's US-FDA DMF Type III, DMF # 14601
- ▶ Raw Material: LDPE, Pharma and food grade
- ▶ Rigid and LDPE squeezable bottles
- ▶ Production technology: Extrusion and Injection Blow Molding
- ▶ Colors available:
  - ✓ Standard color: white
  - ✓ Custom colors available on request
- ▶ Matching closures and droppers: TE Cap, non-controlled Dropper tip plug

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## Closure Systems

# CR & Screw Closures

LOG's Closures product family includes a distinctive design and a range of closures for an extensive range of bottles such as Child-Resistant, Screw closures, Flip-Top, and Dropper closures. The products are manufactured according to cGMP guidelines for the healthcare & the pharmaceutical market.

- ✓ CR certified according to:  
EU ISO 8317  
US 16 CFR 1700.2
- ✓ Screw closures - sizes  
available: 33, 38, 45, 53 mm

### CR Closures



LOG Product ID ID#	Neck Finish mm	Diameter mm inch	Height mm inch
✓ 40038023023	38	44 1.7"	15 0.6"
✓ 40033023026	33	39 1.5"	18 0.7"
✓ 40028020021	28	35 1.4"	25 1.0"
✓ PL178020016	45	51 2.0"	18 0.7"

### Screw Closures



LOG Product ID ID#	Neck Finish mm	Diameter mm inch	Height mm inch
✓ 40028020032	28	32 1.3"	21 0.8"
✓ 40033023022	33	35 1.4"	11 0.4"
✓ 40038023003	38	45 1.8"	25 1.0"
✓ 40038023026	38	40 1.6"	11 0.4"
✓ 400450230101	45	47 1.9"	11 0.4"
✓ 40053023005	53	55 2.2"	11 0.4"



### Product Features

- ▶ Liners available:
  - ✓ Standard Liner: IHS
- ▶ Custom colors available on request

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## Closures System

# Dropper Closures & Flip Top

LOG's Closures product family includes a distinctive design and a range of closures for an extensive range of bottles such as Child-Resistant, Screw closures, Flip-Top, and Dropper closures. The products are manufactured according to cGMP guidelines for the healthcare & the pharmaceutical market.

- ✓ Flip Top & Dropper Closures are available to complete your product packaging

### Flip Top



LOG Product ID ID#	Neck Finish mm	Diameter mm inch	Height mm inch
✎ 40020010006	20	0 0.0"	0 0.0"
✎ 40020010005	20	0 0.0"	0 0.0"

### TE Dropper Closures



LOG Product ID ID#	Neck Finish mm	Diameter mm inch	Height mm inch
✎ 40014020005	14	0 0.0"	31 1.2"



## Product Features

- Custom colors available on request

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**LOG's innovative packaging solutions provide you with the confidence that your product will be protected and delivered in the best possible condition.**

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Don't hesitate to contact us:



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