

bill of materials



big container

- packaging:
- bottle x1 (8oz)
 - polyethylene
 - silicon tube
 - pump x1 (2.49 IN)
 - valve (LDPE)
 - piston (LDPE)
 - spring (STN STL)
 - glassball (glass)



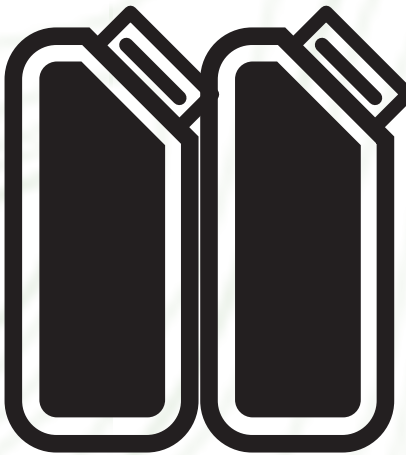
small container

- packaging:
- bottle x1 (4oz)
 - polyethylene
 - silicon tube
 - pump x1 (2.49 IN)
 - valve (LDPE)
 - piston (LDPE)
 - spring (STN STL)
 - glassball (glass)



lotion

- packaging:
- pack x1 (8oz)
 - poly film x2 (2.3 IN X 4.1 IN)
 - zip liner x1 (1IN)
 - polyethylene



body wash & shampoo

- packaging:
- pack x1 (8oz)
 - poly film x2 (1.5 IN X 4.1 IN)
 - zip liner x1 (0.8IN)
 - polyethylene



hand soap

- packaging:
- pack x1 (8oz)
 - poly film x2 (1.5 IN X 2.4 IN)
 - zip liner x1 (1IN)
 - polyethylene



hand sanitizer

- packaging:
- pack x1 (8oz)
 - poly film x2 (1.5 IN X 2.4 IN)
 - zip liner x1 (1IN)
 - polyethylene

okala score: 4oz pack



no.	component	material	quantity	/unit	impact
1	zip open	string polyethylene	2	.008 lbs	.0168
2	body	poly film	2		

okala score: 4 oz each pack



no.	component	material	quantity	/unit	impact
1	zip open	string polyethylene	2	.004 lbs	.0084
2	body	poly film	2		

okala score: 2oz pack



no.	component	material	quantity	/unit	impact
1	zip open	string polyethylene	2	.003 lbs	.0042
2	body	poly film	2		

okala score: 4oz device



no.	component	material	unit	/unit	impact
1	nozzle head	pp	0.01	0.084 lbs pp	.1379
2	piston rod	pp	0.005		
3	gasket	pp	0.005		
4	spring	stn stl	0.011	stn stl	.0066
5	piston	ldpe	0.05	ldpe	
6	pump body	ldpe	0.06	ldpe	.0187
7	glass ball	glass	0.002	glass	
8	tube	pp	0.002	pp	.0066
9	silicon tube	silicon	0.004	silicon	
10	bottle	pp	0.04	pp	.0068

okala score: 2 oz device



no.	component	material	unit	/unit	impact
1	nozzle head	pp	0.01	0.084 lbs pp .06 lbs	.1347
2	piston rod	pp	0.005		
3	gasket	pp	0.005		
4	spring	stn stl	0.011	stn stl .002 lbs	.0066
5	piston	ldpe	0.05	ldpe .011 lbs	
6	pump body	ldpe	0.06	glass	.0066
7	glass ball	glass	0.002	silicon .004 lbs	
8	tube	pp	0.002		.0068
9	silicon tube	silicon	0.004		
10	bottle	pp	0.02		

