

Recipe Name: KV5R's Soap Template

Measurements: Metric

Lye: Sodium Hydroxide Solution: 30 % (-3% Water Disc.)

SF: 5.0% (Lye Discount)

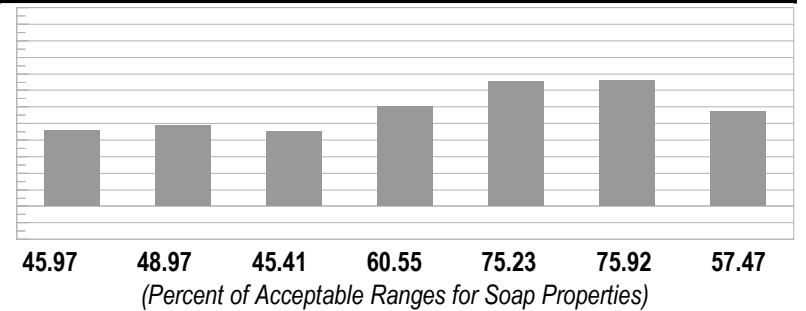
Oil	Weight	Vol	%	SAP	NaOH	Cost	SG	Hardness	Cleans.	Condit.	Bubbly	Creamy	Iodine	INS
	gm	ml			gm			29 – 54	12 – 22	44 – 69	14 – 46	16 – 48	41 – 70	136–165
Lard, Armour (pig fat)	270	292	34.6%	0.138	37.2	0.87	0.93	42	1	52	1	41	57	139
Soybean Oil	115	124	14.8%	0.135	15.5	0.27	0.93	16	0	82	0	16	131	61
Castor Oil	140	145	18.0%	0.129	18.0	0.89	0.97	0	0	98	90	90	86	95
Palm Oil	105	115	13.4%	0.141	14.8	0.35	0.92	50	1	49	1	49	53	145
Coconut Oil, Fractionated	135	147	17.3%	0.232	31.3	1.34	0.92	93	93	0	93	0	1	324
FO, Baked Bread	15	16	1.9%			1.72	0.92							
Totals:	780	839	100%		116.9	5.44	0.93	40.49	16.9	55.35	33.38	40.07	63.02	152.67

Scale:

Total	Grams
Ingredients	780
Lye	111
Water	259
Total	1150
After Cure (5% water)	935

Kilos	Grams
0	780
0	111
0	259
1	150
0	935

Cost
\$0.98 Bar
\$5.90 Batch



Mold	Vol.
Total Vol (at pour) (ml)	1097.7
Total Mold Vol (ml)	1075.01
No. mold cavities/bars	6
Waste Vol (ml)	22.7
Bar Vol (at pour) (ml)	179.17
Bar Weight (cured) (gm)	155.9

(Oil Vol Total + Water)
 (Use mold water weight * 1.043 for fl.oz.)
 (or # bars or # loaves)
 (+ for cavity molds; - for loaves)
 (or loaf vol.)

Enter data in the yellow fields. Calculation is automatic.
 Also set your lye cost on the Tables worksheet.

Notes: Prices based on Dec. 2010 sources for bulk quant., typ. 10 lb. or 1 gallon.

