

Oil Saponification Values (SAP), Properties, and Availability

Oil	SAP NaOH	SAP KOH	Conditioning	Fluffy Lather, Cleansing	Hard Bar Fluffy, Stable Lather	Sustainable Available	Organic Available	Fair Trade Available	Wild Crafted Available
Acai Berry	.138	.193							
Aguaje	.152	.213	80%		17%				
Almond, Sweet	.139	.195	90%		7%	✓	✓		✓
Aloe Vera	.137	.192	80%		14%	✓	✓		
Apricot Kernel	.135	.190	90%		6%	✓	✓		✓
Argan	.135	.190	80%		19%		✓		✓
Avocado	.134	.188	75%		16%	✓	✓	✓	
Babassu	.179	.251	15%	70%	10%		✓		✓
Baobab	.144	.202	65%		25%		✓		
Black Currant	.135	.190	75%		16%		✓		
Black Cumin	.139	.195	75%		14%		✓		
Black Raspberry	.134	.188	90%		3%				
Blueberry	.135	.190	90%		8%				
Borage	.133	.186	75%		14%	✓	✓		
Brazil Nut	.140	.197	81%		18%				✓
Broccoli	.125	.175	35%		9%		✓		
Buriti	.152	.213	83%		17%				
Camelina	.136	.191	80%				✓		
Camellia	.137	.192	92%		7%		✓		
Canola	.140	.196	95%		3%	✓	✓		
Carnauba Wax	.062	.087					✓		
Carrot Seed	.134	.188	72%		4%		✓		
Castor	.129	.181	9%		1%		✓		
Chardonnay Grape	.130	.183	80%		16%				
Cherry Kernel	.137	.192	42%		26%		✓		
Cocoa Butter	.138	.194	38%		60%		✓		



Coconut	.183	.257	5%	70%	5%	✓	✓	✓	✓
Corn	.136	.191	86%		13%	✓			
Cotton	.139	.195	82%		18%	✓			
Cranberry Seed	.135	.190	82%		6%				
Cucumber	.132	.185	81%		15%				
Cupuacu	.138	.193							
Emu	.138	.193	65%		31%				
Evening Primrose	.133	.186	90%		8%		✓		
Flax/Linseed	.137	.192	85%		9%		✓		
Fractionated Coconut	.237	.333		3%					
Grape	.138	.193	88%		11%	✓	✓		✓
Hazelnut	.136	.191	91%		8%		✓		
Hempseed	.138	.193	72%		8%		✓		
Jojoba	.066	.092	11%				✓		✓
Karanja	.132	.185	70%		19%				
Kiwi	.148	.207	90%		9%				
Kukui Nut	.138	.193	90%		6%				
Lard	.141	.198	52%	1%	41%	✓	✓		
Macadamia Nut	.139	.195	55%		8%		✓		
Mango Butter	.134	.188	45%		52%		✓		✓
Manketti	.141	.198							
Maracujo	.139	.195	90%		10%				
Meadowfoam	.121	.170	3%						
Neem	.135	.190	53%		45%		✓		
Oat	.132	.185	79%		15%				
Olive	.135	.190	74%		23%		✓		
Palm	.141	.198	40%	3%	52%	✓			
Palm Kernel	.173	.242	17%	65%	8%		✓		
Papaya	.137	.192	85%		10%				
Passionfruit	.139	.195	90%		10%				
Peach Kernel	.135	.190	90%		9%		✓		
Peanut	.139	.190	70%		15%				
Pecan	.138	.194	90%		9%				
Pequi	.139	.195	52%		46%				

Perilla	.138	.193	96%		4%		✓		
Pistachio	.134	.188	80%		8%				
Plum Kernel	.134	.188	85%		6%				
Pomace Olive	.135	.190	74%		23%		✓		
Pomegranate	.135	.190	13%		6%		✓		
Poppy	.137	.192	87%		9%		✓		
Pracaxi	.130	.182	50%		5%				✓
Pumpkin	.136	.191	80%		18%		✓		
Red Palm	.141	.198	40%	3%	52%	✓			
Red Raspberry	.134	.188	86%		3%		✓		
Rice Bran	.132	.185	75%		25%		✓		
Riesling Grape	.138	.193							
Rose Hip	.135	.189	90%		4%		✓		
Safflower, Any	.137	.192	91%		6%		✓		
Sea Buckthorn	.134	.188	35%		32%		✓		
Sesame	.138	.193	85%		13%	✓	✓		✓
Shea Butter	.128	.180	48%		49%		✓	✓	✓
Shea Oil	.130	.183	87%		13%		✓	✓	✓
Soybean	.137	.192	85%		15%	✓	✓		
Sunflower	.137	.192	77%		21%		✓		
Tamanu	.143	.200	72%		28%		✓		
Tallow, Beef	.140	.196	51%	3%	40%	✓	✓		
Tallow, Deer & Goat	.139	.195	51%	3%	40%	✓	✓		
Tomato	.137	.192	77%		20%				
Unqurahui	.139	.195	83%		13%				
Walnut	.138	.193	90%		10%	✓	✓		
Watermelon	.137	.192							
Wheatgerm	.135	.190	80%		17%	✓	✓		✓
Yangu	.135	.190	76%		23%				

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