


**Hydrogenated Castor Oil
Regular Grade (HCO-R)**

Value	AOCS
Color (Apha) max.	
250	Td 1b-64
Color (Gardner) max.	
2	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25


**Hydrogenated Castor Oil
Premium Grade (HCO-R)**

Value	AOCS
Color (Apha) max.	
150	Td 1b-64
Color (Gardner) max.	
1	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
157	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25


**12 Hydroxy stearic acid
Regular Grade (12H-R)**

Value	AOCS
Color (Apha) max.	
750	Td 1b-64
Color (Gardner) max.	
5	Td 1a-64
Acid Value, or (A.V.) max.	
-	-
Neutralization Value (N.V.)	
175-185	Cd 3d-63
Iodine Value (I.V.) max.	
3	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
180-190	Cd 3-25
Melting Point (M.P.), C;min.	
70	Cc 1-25


**12 Hydroxy stearic acid
Regular Grade (12H-P)**

Value	AOCS
Color (Apha) max.	
350	Td 1b-64
Color (Gardner) max.	
3	Td 1a-64
Acid Value, or (A.V.) max.	
-	-
Neutralization Value (N.V.)	
175-185	Cd 3d-63
Iodine Value (I.V.) max.	
3.0	Tg 1a-64
Hydroxyl (OH.V.) min.	
157	Cd 13-60
Saponification Value (S.V.)	
180-190	Cd 3-25
Melting Point (M.P.), C;min.	
70	Cc 1-25


**N,N' Ethylene Bis
12-Hydroxy steamide (BISAMIDE)**

Value	AOCS
Color (Gardner) max.	
10	Td 1a-64
Acid Value, or (A.V.) max.	
10	Cd 3d-63
Amine Value, or (Am.V.) max.	
-	Tf 1b-64
Total Amide (T.A.)	
18	Tf 1b-64
Iodine Value (I.V.) max.	
-	-
Hydroxyl (OH.V.) min.	
150	Cd 13-60
Saponification Value (S.V.)	
-	Cd 3-25
Melting Point (M.P.), C;min.	
140	Cc 1-25


**75/25 Blend of HCO/BISAMIDE
(BLEND)**

Value	AOCS
Color (Gardner) max.	
8	Td 1a-64
Acid Value, or (A.V.) max.	
6	Cd 3d-63
Amine Value, or (Am.V.) max.	
2	Tf 1b-64
Total Amide (T.A.)	
-	Tf 1b-64
Iodine Value (I.V.) max.	
-	-
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
130-138	Cd 3-25
Melting Point (M.P.), C;min.	
136-140	Cc 1-25


**HCO - 85099
HCO-R**

Value	AOCS
Color (Apha) max.	
250	Td 1b-64
Color (Gardner) max.	
2	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25
Particle size ; min.	
< 850 µm 99%	Beckman Couter Model LS 100 Q


**12H - 85099
12H-R**

Value	AOCS
Color (Apha) max.	
750	Td 1b-64
Color (Gardner) max.	
5	Td 1a-64
Acid Value, or (A.V.) max.	
-	-
Neutralization Value (N.V.)	
175-185	Cd 3d-63
Iodine Value (I.V.) max.	
3	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
180-190	Cd 3-25
Melting Point (M.P.), C;min.	
70	Cc 1-25
Particle size ; min.	
< 850 µm 99%	Beckman Couter Model LS 100 Q



HCO - 10590
HCO-R

Value	AOCS
Color (Apha) max.	
250	Td 1b-64
Color (Gardner) max.	
2	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25
Particle size ; min.	
< 105 µm 90%	Beckman Couter Model LS 100 Q



HCO - 3299
HCO-R

Value	AOCS
Color (Apha) max.	
250	Td 1b-64
Color (Gardner) max.	
2	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25
Particle size ; min.	
< 32 µm 99%	Beckman Couter Model LS 100 Q



BLD - 3299
BLEND

Value	AOCS
Color (Gardner) max.	
8	Td 1a-64
Acid Value, or (A.V.) max.	
6	Cd 3d-63
Amine Value, or (Am.V.) max.	
2	Tf 1b-64
Total Amide (T.A.)	
-	Tf 1b-64
Iodine Value (I.V.) max.	
-	-
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
130-138	Cd 3-25
Melting Point (M.P.), C;min.	
136-140	Cc 1-25
Particle size ; min.	
< 32 µm 99%	Beckman Couter Model LS 100 Q



HCO - 3000
HCO-R

Value	AOCS
Color (Apha) max.	
250	Td 1b-64
Color (Gardner) max.	
2.0	Td 1a-64
Acid Value, or (A.V.) max.	
2.0	Cd 3d-63
Neutralization Value (N.V.)	
-	-
Iodine Value (I.V.) max.	
2.5	Tg 1a-64
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
175-185	Cd 3-25
Melting Point (M.P.), C;min.	
85	Cc 1-25
Particle size ; min.	
< 30 µm 100%	Beckman Couter Model LS 100 Q



BLD - 3000
BLEND

Value	AOCS
Color (Gardner) max.	
8	Td 1a-64
Acid Value, or (A.V.) max.	
6	Cd 3d-63
Amine Value, or (Am.V.) max.	
2	Tf 1b-64
Total Amide (T.A.)	
-	Tf 1b-64
Iodine Value (I.V.) max.	
-	-
Hydroxyl (OH.V.) min.	
155	Cd 13-60
Saponification Value (S.V.)	
130-138	Cd 3-25
Melting Point (M.P.), C;min.	
136-140	Cc 1-25
Particle size ; min.	
< 30 µm 100%	Beckman Couter Model LS 100 Q



BIS - 3000
BISAMIDE

Value	AOCS
Color (Gardner) max.	
10	Td 1a-64
Acid Value, or (A.V.) max.	
10	Cd 3d-63
Amine Value, or (Am.V.) max.	
-	Tf 1b-64
Total Amide (T.A.)	
18	Tf 1b-64
Iodine Value (I.V.) max.	
-	-
Hydroxyl (OH.V.) min.	
150	Cd 13-60
Saponification Value (S.V.)	
-	Cd 3-25
Melting Point (M.P.), C;min.	
140	Cc 1-25
Particle size ; min.	
< 30 µm 100%	Beckman Couter Model LS 100 Q