

AMINES

Within oil refineries and natural gas processing plants, amines are used to remove carbon dioxide, hydrogen sulfide, mercaptans and other organosulfur compounds. This process inside amine treaters is called sweetening.

Different types of amines may be blended with one another, or water, based on the customer's request.

PARAMETER	MONOETHANOLAMINE (MEA)	DIETHANOLAMINE (DEA)	TRIETHANOLAMINE (TEA)
Appearance	Transparent liquid	Transparent liquid	Transparent liquid
MEA (wt %)	99.4 min	-	-
DEA (wt %)	0.35 max	99.2 min	0.3 max
TEA (wt %)	-	-	99.0 min
Color, Pt-Co (APHA)	15 max	15 max	50 max
Water (wt %)	0.1 max	0.15 max	0.2 max