

SRF Limited
Fluorochemicals Business, Dahej



Finished Product - Specification

Material name	Norflurane (HFC-134a P/ Dymel® 134a P)		
Chemical formula	CH ₂ FCF ₃	Molecular weight	102
Specification No.	FPS-001-00	CAS No.	811-97-2
STP No.	FPP-001-00, FPP-002-00, FPP-003-00, FPP-004-00, FPP-005-00, FPP-006-00, FPP-007-00	Effective date	19.12.2016
Supersedes	---	Review date	18.12.2018

Characteristic	Specification	Units
Appearance	Clear & Colorless	-
Identification by - Infrared absorption spectrometry	Match with Ph. Eur. Reference spectrum of Norflurane.	-
Identification by - Mass spectrometry	Match with mass spectrum of Norflurane.	-
HFC-134a	≥ 99.9	%
HFC-134	≤ 1000	ppm
HFC-152a	≤ 300	ppm
CFC-12	≤ 100	ppm
HCFC-124	≤ 100	ppm
HFC-143a	≤ 10	ppm
CFC-1112a	≤ 5	ppm
HCFC-1122	≤ 5	ppm
HFC-1225ye/c	≤ 5	ppm
HFC-1243zf	≤ 5	ppm
Other Saturated Impurities, for each impurity	≤ 5	ppm
Other Unsaturated Impurities, for each impurity	≤ 5	ppm
Unknown Impurities, for each impurity	≤ 5	ppm
Total (Sum of other detectable impurities)	≤ 10	ppm
Total Unsaturation (including HCFC-1122)	≤ 5	ppm
Total Impurities	≤ 1000	ppm
Water	≤ 10	ppm w/w
Non-volatile matter	≤ 50	ppm w/w
Acidity, as Hydrochloric Acid	≤ 0.1	ppm w/w
Non-Condensable Gases (Vapor Phase)	≤ 1.5	% v/v

Revision History

Revision No.	Change control No.	Effective date	Changes Made
00	N/A	19.12.2016	New Specification

	Prepared By	Checked By	Approved By
Sign.			
Date	16.12.2016	16/12/2016	17/12/2016