

SUPERFRIO

REFRIGERANT



TOTAL INGENIEROS S.A.C
VENTAS, PROYECTOS, SERVICIOS EN INGENIERIA Y SISTEMAS DE REFRIGERACION

R404A CERTIFICATE OF ANALYSIS

R404A CERTIFICATE OF QUALITY

10.9kg/.NW

Density items	Standard demands	Results
Appearance	Colourless and not turbid	Colourless and not turbid
Purity,%	≥ 99.5	99.93
HFC-143a,%	52 ± 1	52.2
HFC-125,%	44 ± 2	44.0
HFC-134a,%	4 ± 2	4.0
Moisture%	≤ 0.001	0.00094
Non-condensable gases	≤ 1.5	0.1
Acidity (as HCl) %	≤ 0.0001	< 0.0001
Evaporation residue%	≤ 0.01	0.0008
Product amount:	Final conclusion: Conformity	

GRADE : FIRST-CLASS PRODUCT

Inspector: 07

Review13

Check: 09

R410A CERTIFICATE OF ANALYSIS

R410A CERTIFICATE OF QUALITY

11.30KG (N.W.)

Density items	Standard demands	Results
Appearance	Colourless and not turbid	Colourless and not turbid
Purity,%	≥ 99.9	99.93
HFC-32,%	49.5 ± 1	49.7
HFC-125,%	50.5 ± 2	50.3
Moisture%	≤ 0.001	0.00092
Non-condensable gases	≤ 1.5	0.80
Acidity (as HCl) %	≤ 0.0001	< 0.0001
Evaporation residue%	≤ 0.01	0.0008
Product amount:	Final conclusion: Conformity	

GRADE: FIRST-CLASS PRODUCT

Inspector: 07

Review: 16

Check: 02



R134A CERTIFICATE OF ANYLYSIS

R134A CERTIFICATE OF QUALITY

13.6KG (N.W.)

Density items	Standard demands	Results
Appearance	Colorless, no cloudy	Conformity
Odor	No smell	Conformity
Purity,%	≥ 99.9	99.93
Moisture,%	≤ 0.0010	0.00078
Acidity(as HCl),%	≤ 0.0001	< 0.0001
Evaporation Residues,%	≤ 0.005	0.0009
Non-condensable gases	≤ 1.5	0.47
Product amount:		Final conclusion: Conformity

GRADE: FIRST-CLASS PRODUCT

Inspector: 07

Review15

Check: 09

R507A CERTIFICATE OF ANYLYSIS

R507A CERTIFICATE OF QUALITY

11.30KG (N.W.)

Density items	Standard demands	Results
Appearance	Colourless and not turbid	Colourless and not turbid
Purity,%	≥ 99.9	99.94
HFC-143a,%	49.5 ± 1	49.8
HFC-125,%	50.5 ± 2	50.2
Moisture%	≤ 0.001	0.00084
Non-condensable gases	≤ 1.5	0.10
Acidity (as HCl) %	≤ 0.0001	< 0.0001
Evaporation residue%	≤ 0.01	0.0009
Product amount:	Final conclusion: Conformity	

GRADE: FIRST-CLASS PRODUCT

Inspector: 07

Review: 16

Check: 02