



ROMMA
PURE CHEMISTRY



ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

Benzoic Acid Hi-Dry KF

K8114

500g K8114P
Wng H:302-319
P:305+351+338
8

C6H5COOH MW122.12CAS [65-85-0]
Water <0.2%
Application: Buffer reagent for KF titration



Chloroform Hi-Dry KF

stabilised with amylene

K8140

1LT K8140M
Dgr H:351-361d-331-302-372-319-315
P:261v-280f-304+340-305+351+338-308+313

(Trichloromethane)
CHCl3 MW 119.38 BP 61.2°C d 1.48 CAS [67-66-3]
Water <0.0100%
Stabiliser: Amylene ca. 25 ppm
Application: Solvent for KF sample dissolution



Formamide Hi-Dry KF

K8351

1LT K8351M
Dgr H:360D
P:201-308+313

HCONH2 MW 45.04FP2.5°CBP210.5°C d 1.13 CAS [75-12-7]
Water <0.0200%
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Store in dark.
Application: Solvent for KF sample dissolution



Karl Fischer electrolyte A Hi-Dry KF

K3035

500ml K3035P
1LT K3035M
Dgr H:225-301+311+331-314-360D-370-373
P:201-210-280-302+352-309+310-403+235

Use in conjunction with Karl Fischer electrolyte C (ROMIL K3146) for cells with diaphragm.
Protect from atmospheric moisture.
Application: Pyridine-free reagent for coulometric KF titration without diaphragm and anode reagent for cells with diaphragm



Karl Fischer electrolyte AF Hi-Dry KF

for oils and fats

K3072

100ml K3072S
500ml K3072P
Dgr H:225-301+311+331-314-351-360D-370-372
P:201-210-260-280-305+351+338-308+313

Use in conjunction with Karl Fischer electrolyte C (ROMIL K3146).
Protect from atmospheric moisture.
Application: Pyridine-free anode reagent (chloroform/xylene-based) for coulometric KF titration of refined and crude oils and fats



Karl Fischer electrolyte AH Hi-Dry KF

for long-chain hydrocarbons

K3041

500ml K3041P
Dgr H:225-301+311+331-314-360D-335-370-411
P:201-210-273-280-302+352-309+310-403+235

Use in conjunction with Karl Fischer electrolyte C (ROMIL K3146) for cells with diaphragm.
Protect from atmospheric moisture.
Application: Pyridine-free reagent for coulometric KF titration of long-chain hydrocarbons without diaphragm and anode reagent with diaphragm



Karl Fischer electrolyte AK Hi-Dry KF

for aldehydes & ketones

K3068

500ml K3068P
Dgr H:226-302-331-315-318-336-351-360FD-372
P:201-210-280-301+330+331-302+352-304+340-305+351+338-308+313

Use in conjunction with Karl Fischer electrolyte CK (ROMIL K3179).
Protect from atmospheric moisture.
Application: Pyridine-free anode reagent for coulometric KF titration of aldehydes and ketones



Karl Fischer electrolyte AO Hi-Dry KF

K3054









500ml K3054P
Dgr H:225-301+311+331-314-360D-370-373
P:201-210-280-302+352-309+310-403+235

Use in conjunction with Karl Fischer electrolyte C (ROMIL K3146) for cells with diaphragm.
Protect from atmospheric moisture.
Application: Pyridine-free reagent for coulometric KF titration with oven without diaphragm and anode reagent with diaphragm



ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

<p>500ml K3087P Dgr H:225-301+311+331-314-351-360D-370-372 P:201-210-280-304+340-305+351+338-308+313-403+235</p>	<p>Karl Fischer electrolyte AP Hi-Dry KF K3087</p> <hr/> <p>Use in conjunction with Karl Fischer electrolyte C (ROMIL K3146). Protect from atmospheric moisture. Application: Pyridine-free anode reagent for coulometric KF titration with diaphragm</p>
	
<p>500ml K5029P Dgr H:225-301+311+331-318-360D-370-373 P:201-210-260-280-301+310-305+351+338</p>	<p>Karl Fischer electrolyte AR Hi-Dry KF K3029</p> <hr/> <p>Protect from atmospheric moisture. Application: Pyridine-free reagent for coulometric KF titration without diaphragm</p>
	
<p>25ml K3146V 50ml K3146T 10x5ml K3146Q Dgr H:225-301+311+331-315-318-370-373 P:210-280-302+352-305+351+338-309+310-403+235</p>	<p>Karl Fischer electrolyte C Hi-Dry KF K3146</p> <hr/> <p>Use in conjunction with suitable Karl Fischer electrolyte A* for cells with diaphragm. Protect from atmospheric moisture. Application: Pyridine-free cathode reagent for coulometric KF titration with diaphragm</p>
	
<p>50ml K3179T Dgr H:312-314-360Df P:201-280-302+352-305+351+338-308+313</p>	<p>Karl Fischer electrolyte CK Hi-Dry KF for aldehydes & ketones K3179</p> <hr/> <p>Use in conjunction with Karl Fischer electrolyte AK (ROMIL K3068). Protect from atmospheric moisture. Application: Pyridine-free cathode reagent for coulometric KF titration of aldehydes and ketones</p>
	
<p>1LT K5102M 2½LT K5102L Dgr H:314-332-360D-401 P:201-273-280c-304+340-305+351+338-308+310</p>	<p>Karl Fischer reagent VC2 Hi-Dry KF pyridine-free composite K5102</p> <hr/> <p>Nominal titre 1.0 ml = 2.0 mg ±5% H₂O @ 20°C Calibrate before each use. Application: Pyridine-free ready to use reagent for volumetric KF titration</p>
	
<p>500ml K5105P 1LT K5105M 2½LT K5105L Dgr H:314-332-360D-401 P:201-273-280c-304+340-305+351+338-308+310</p>	<p>Karl Fischer reagent VC5 Hi-Dry KF pyridine-free composite K5105</p> <hr/> <p>Nominal titre 1.0 ml = 5.0 mg ±5% H₂O @ 20°C Calibrate before each use. Application: Pyridine-free ready to use reagent for volumetric KF titration</p>
	
<p>1LT K5235M Dgr H:314-332-360D-401 P:201-273-280c-304+340-305+351+338-308+310</p>	<p>Karl Fischer reagent VCK5 Hi-Dry KF pyridine-free composite for aldehydes & ketones K5235</p> <hr/> <p>Nominal titre 1.0 ml = 5.0 mg ±5% H₂O @ 20°C Calibrate before each use. Application: Pyridine-free ready to use reagent for volumetric KF titration of aldehydes and ketones</p>
	
<p>1LT K5246M Dgr H:300+310+330-351-361d-372-315-319 P:201-260v-280f-302+350-304+340-305+351+338-308+313</p>	<p>Karl Fischer solvent VK Hi-Dry KF for aldehydes & ketones K5246</p> <hr/> <p>Use in conjunction with Karl Fischer reagent VCK5 (ROMIL K5235). Protect from atmospheric moisture. Application: Solvent for volumetric KF titration of aldehydes and ketones</p>
	

ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

Karl Fischer solvent VKM Hi-Dry KF

for aldehydes & ketones

K5257

1LT K5257M
Dgr H:226-302-331-315-318-336-
351-360D-372
P:201-210-280-304+340-
305+351+338-308+313-403+233



Use in conjunction with Karl Fischer reagent VCK5 (ROMIL K5235).
Protect from atmospheric moisture.
Application: Solvent for volumetric KF titration of aldehydes and ketones

Karl Fischer solvent VKS Hi-Dry KF

for aldehydes & ketones

K5268

500ml K5268P
1LT K5268M
Dgr H:226-315-318-360D-336
P:201-210-280-304+340-
305+351+338-308+313



Use in conjunction with Karl Fischer reagent VCK5 (ROMIL K5235).
Protect from atmospheric moisture.
Application: Solvent (halogenated hydrocarbon-free) for volumetric KF titration of aldehydes and ketones

Karl Fischer solvent VOC Hi-Dry KF

for oils and fats

K5373

1LT K5373M
Dgr H:226-302+312-331-315-319-
351-361d-370-372
P:201-210-261v-280f-304+340-
305+351+338-308+313



Use in conjunction with Karl Fischer reagent VC? (ROMIL K510?).
Protect from atmospheric moisture.
Application: Solvent (chloroform-based) for volumetric KF titration of oils and fats

Karl Fischer solvent VOH Hi-Dry KF

for oils and fats

K5352

1LT K5352M
Dgr H:225-301+311+331-319-370
P:210-280f-302+352-309+310-
403+235



Use in conjunction with Karl Fischer reagent VC? (ROMIL K510?).
Protect from atmospheric moisture.
Application: Solvent (hexan-1-ol-based) for volumetric KF titration of oils and fats

Karl Fischer solvent VOX Hi-Dry KF

for crude oils

K5331

1LT K5331M
2½LT K5331L
Dgr H:225-302-311+331-314-351-
360D-370-372
P:201-210-280-304+340-
305+351+338-308+313



Use in conjunction with Karl Fischer reagent VC? (ROMIL K510?).
Protect from atmospheric moisture.
Application: Solvent (xylene-based) for volumetric KF titration of crude oils

Karl Fischer solvent VS Hi-Dry KF

K6200

1LT K6200M
2½LT K6200L
Dgr H:225-301+311+331-314-360D-
370
P:201-210-280-302+352-309+310-
403+235



Use in conjunction with Karl Fischer titrant VT? (ROMIL K621?).
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Solvent component (methanol-based) of pyridine-free 2-part system for volumetric KF titration (general purpose)

Karl Fischer solvent VSA1.67 Hi-Dry KF

acid bu er

K6717

1LT K6717M
Dgr H:225-301+311+331-314-360D-
370
P:201-210-280f-302+352-309+310-
403+235



d 0.79
Bu er capacity 1.67 mmol acid/ml
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Bu er solvent for volumetric KF titration

Karl Fischer solvent VSA5 Hi-Dry KF

acid bu er

K6735

500ml K6735P
1LT K6735M
Dgr H:225-301+311+331-314-360D-
370
P:201-210-280-302+352-309+310-
403+235



d 0.79
Bu er capacity 5 mmol acid/ml
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Bu er solvent for volumetric KF titration

ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

Karl Fischer solvent VSO Hi-Dry KF

for oils

K6524

1LT K6524M
Dgr H:225-301+311+331-314-360D-370
P:201-210-280-302+352-309+310-403+235



Use in conjunction with Karl Fischer titrant VT? (ROMIL K621?).
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Solvent component of pyridine-free 2-part system for volumetric KF titration of oils

Karl Fischer solvent VSOF Hi-Dry KF

for oils and fats

K6586

1LT K6586M
2½LT K6586L
Dgr H:226-302+312-331-314-351-360D-370-372
P:201-210-261v-280F-304+340-305+351+338-308+313



Use in conjunction with Karl Fischer titrant VT? (ROMIL K621?).
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Solvent component (chloroform-based) of pyridine-free 2-part system for volumetric KF titration of oils and fats

Karl Fischer titrant VT2 Hi-Dry KF

K6212

500ml K6212P
1LT K6212M
2½LT K6212L
Dgr H:225-301+311+331-370-401
P:210-280F-302+352-309+310-403+235



Nominal titre 1.00 ml = 2.00 mg ±1% H₂O @ 20°C □ Use in conjunction with Karl Fischer solvent VS (ROMIL K6200).
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Titrant component of pyridine-free 2-part system for volumetric KF titration

Karl Fischer titrant VT5 Hi-Dry KF

K6215

500ml K6215P
1LT K6215M
2½LT K6215L
Dgr H:225-301+311+331-370-401
P:210-280F-302+352-309+310-403+235



Nominal titre 1.00 ml = 5.00 mg ±0.5% H₂O @ 20°C □ Use in conjunction with Karl Fischer solvent VS (ROMIL K6200).
Protect from atmospheric moisture.
Replace cap tightly immediately after use.
Application: Titrant component of pyridine-free 2-part system for volumetric KF titration

Karl Fischer calibrant BX5 Hi-Dry KF

H₂O 5 mg/ml (water in m-xylene/butan-1-ol)

K7473

100ml K7473S
500ml K7473P
1LT K7473M
Dgr H:226-302+312+332-315-318-335-336
P:210-280-302+352-304+340-305+351+338



H₂O 5.00 mg/ml (5000 ppm) ±0.02 mg/ml
Matrix: m-Xylene/Butan-1-ol
Protect from atmospheric moisture.
Application: Reference material for KF titration (non-hygroscopic matrix)
SI-traceable through NIST certified reference material

Karl Fischer calibrant M5 Hi-Dry KF

H₂O 5 mg/ml (water in methanol)

K7582

100ml K7582S
500ml K7582P
1LT K7582M
Dgr H:225-301+311+331-370
P:210-280F-302+352-309+310-403+235



d 0.79
H₂O 5 mg/ml (5000 ppm) ± 0.02 mg/ml
Matrix: Methanol
Protect from atmospheric moisture.
Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied with Hi-Dry septum seal cap.

Karl Fischer calibrant PC Hi-Dry KF

H₂O 5.55% (potassium citrate)

K7755

10g K7755X

K3C6H5O7.H2O MW 324.41 CAS [6100-05-6]
H₂O 5.55% ±0.05%
Dry at not greater than 105°C for 1 hour before use.
Cool in desiccator.
Application: Reference material for KF titration with oven

Karl Fischer calibrant ST Hi-Dry KF

H₂O 15.66% (sodium tartrate)

K7641

100g K7641S

Na2C4H4O6.2H2O MW 230.08 d 1.82 CAS [6106-24-7]
H₂O 15.66% ±0.05%
Dry at not greater than 105°C for 1 hour before use.
Cool in desiccator.
Application: Reference material for KF titration


ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

Karl Fischer calibrant WS1 Hi-Dry KF

H₂O 1 mg/g


K7129

100ml K7129S d 1.00
 Wng H:226 Nominal concentration H₂O 1.00 mg/g ±1% @ 20°C
 P:210-262 Matrix: Anisole/Propylene Carbonate
 Protect from atmospheric moisture.
 Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied with Hi-Dry septum seal cap.

Karl Fischer calibrant WS1 Hi-Dry KF

H₂O 1 mg/g ampoule pack




K7142

10x5ml K7142Q d 1.00
 Wng H:226 Nominal concentration H₂O 1.00 mg/g ±2% @ 20°C
 P:210-262 Matrix: Anisole/Propylene Carbonate
 Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied in pack containing 10x5ml sealed glass ampoules.

Karl Fischer calibrant WS10 Hi-Dry KF

H₂O 10 mg/g




K7210

100ml K7210S d 1.00
 Dgr H:226-315-318-335-336 Nominal concentration H₂O 10.0 mg/g ±1% @ 20°C
 P:210-280f-302+352-304+340- Matrix: Propylene Carbonate/p-Xylene/Butan-1-ol
 305+351+338 Protect from atmospheric moisture.
   Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied with Hi-Dry septum seal cap.

Karl Fischer calibrant WS10 Hi-Dry KF

H₂O 10 mg/g ampoule pack

K7264

10x10ml K7264Q d 1.00
 Dgr H:226-315-318-335-336 Nominal concentration H₂O 10.0 mg/g ±1% @ 20°C
 P:210-280f-302+352-304+340- Matrix: Propylene Carbonate/p-Xylene/Butan-1-ol
 305+351+338 Application: Reference material for KF titration
   *SI-traceable through NIST certified reference material*
Supplied in pack containing 10 x 10ml sealed glass ampoules.

Karl Fischer calibrant X0.1 Hi-Dry KF

H₂O 0.1 mg/g (water in m-xylene)



K7362

100ml K7362S d 0.86
 Wng H:226-312+332- H₂O 0.100 mg/g ±2% @ 20°C
 315 P:210-302+352- Matrix: m-Xylene
 304+340   Protect from atmospheric moisture.
 Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied with Hi-Dry septum seal cap.

Karl Fischer calibrant X0.1 Hi-Dry KF




H₂O 0.1 mg/g (water in m-xylene) ampoule pack

K7381

10x5ml K7381Q d 0.86
 Wng H:226-312+332- H₂O 0.100 mg/g ±5% @ 20°C
 315 P:210-302+352- Matrix: m-Xylene
 304+340   Protect from atmospheric moisture.
 Application: Reference material for KF titration
SI-traceable through NIST certified reference material
Supplied in pack containing 10 x 5ml sealed glass ampoules.
Methyl Alcohol (see Methanol)

Methanol Hi-Dry KF

K8408

1LT K8408M **(Methyl Alcohol)**
 2½LT K8408L CH₃OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]
 Dgr H:225-301+311+331-370 Water <0.0100%
 P:210-280f-302+352-309+310- Protect from atmospheric moisture.
 403+235 Replace cap tightly immediately after use.
   Application: General purpose solvent for KF sample dissolution

ROMIL Hi-Dry® KF Karl Fischer Reagents and Calibrants Specifications

pyridine-free reagents for water determination

Molecular Sieve 3A Hi-Dry KF

pellets 1.6mm

[K8678](#)

500g K8678P	d 0.64 CAS [1318-02-1]	□
1KG	Crystalline potassium aluminosilicate	
K8678M	Pore diameter about 3 Angstroms	
P:260d	Pellet size about 1.6mm (1/16 inch)	
	Protect from atmospheric moisture.	
	Application: Packing material for drying tubes in KF titration	

Salicylic Acid Hi-Dry KF

[K8715](#)

500g K8715P	C ₆ H ₄ (OH)COOH MW138.12 CAS[69-72-7]	□
Dgr H:302-318	Water <0.2%	
P:280c-305+351+338-313	Protect from atmospheric moisture. Replace cap tightly immediately after use.	
	Application: Buffer reagent for KF titration	



Xylene Hi-Dry KF

[K8982](#)

1LT K8982M	C ₆ H ₄ (CH ₃) ₂ MW106.17BP 138-142°C d 0.86 CAS [1330-20-7]	□
Wng H:226-312+332-315	Water <0.0050%	
P:210-302+352-304+340	Comprises 3 isomers and ethylbenzene	
	Application: Solvent for KF sample dissolution	

