

# Focus on Prepacked Tubes: Macro N/protein Analysis

At Elemental Microanalysis we are experts in packing tubes for analysers.

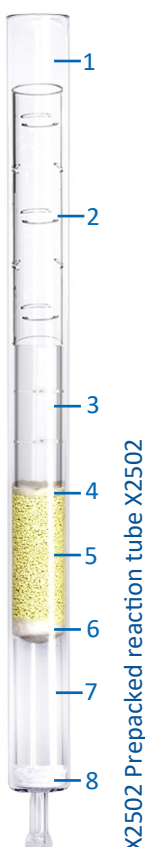
We have a specialist department with over forty years of experience using our own ISO 9001 manufactured reagents; we use the prepacked tubes we manufacture in our ISO 17025 accredited laboratory.

We understand the importance of precision, eliminating variables, laboratory staff time and minimal exposure to hazardous materials.

- Less downtime for your instrument
- No more measuring or handling of chemicals
- No waste
- High quality reagents

Tubes are packaged appropriately to optimise reagent life-time.



Let us share our expertise and do the hard work for you. The prepacked tubes we have available for macro analysis and our most popular nitrogen protein prepacks are detailed here.



## X2502 Elementar® Prepacked Reaction Tube

Suitable for:

- Elementar vario MACRO (CNS mode)
- Elementar vario MACRO cube (CHNS/CNS mode)

Key	Product	Qty	Elementar® part	Part no.
<b>X2502</b>	<b>Prepacked CNS/CHNS reaction tube</b>	<b>1</b>		<b>X2502</b>
1	Combustion/Reduction tube	1	11.00-1150/4	C3009
2	Protective tube, 105 mm	1	11.00-1317/4	C3021
3	Ash crucible	1	11.00-1170/4	C3018
4	Alumina wool	3 mm	05 000 086	B1089
5	Tungsten (VI) oxide granular	55 mm	11.02-0008	B1217
6	Quartz wool 	10 mm	03 679 908	B1102
7	Support tube	1	11.00-1172/4	C3017
8	Quartz wool 	15 mm	03 679 908	B1102

## Prepacked tubes for Elementar® analysers










## X2507 Elementar® Prepacked Reduction Tube



X2507 Prepacked reduction tube

Suitable for:

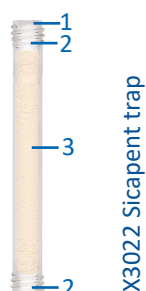
- Elementar rapid MAX N exceed (all modes)
- Elementar rapid N exceed (all modes)

Key	Product	Qty	Elementar® part	Part no.
<b>X2507</b>	<b>Prepacked reduction tube</b>	<b>1</b>		<b>X2507</b>
1	Quartz reduction tube	1		C3049
2	Brass wool	 25 mm	38.00-0124	B1304
3	Alumina spheres	 15 mm	50 008 467	B1093
4	Stainless steel gauze spacer	1	12.01-1008/4	E2250
5	Quartz wool	  15 mm	03 679 908	B1102
6	Copper wires	 55 mm	05 000 699	B1015M
7	Quartz wool	  10 mm	03 679 908	B1102
8	Copper oxide wires, fine	 185 mm	05 001 039	B1122
9	Alumina spheres	 9 mm	50 008 467	B1093
10	Wire mesh ronde	1	50 008 449/4	C3046


## X3022 Elementar® Prepacked Sicapent®-filled Trap

Suitable for:

- Elementar rapid N III (all modes)
- Elementar vario MACRO (all modes)
- Elementar vario MACRO cube (all modes)
- Elementar vario MAX CN (all modes)

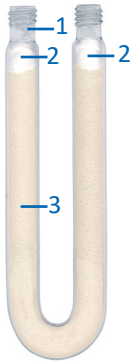


X3022 Sicapent trap

Key	Product	Qty	Elementar® part	Part no.
<b>X3022</b>	<b>Prepacked Sicapent-filled Trap</b>	<b>1</b>		<b>X3022</b>
1	Drying tube	1	22 160 200/4	C3008
2	Filter, diameter 18 mm	1	03 002 399	E1174
3	Sicapent		03 960 352	B1197

## Prepacked tubes for Elementar® analysers


### X3023 Elementar® Prepacked Sicapent®- filled Trap



X3023 Prepacked Sicapent trap

Suitable for:

- Elementar rapid N III (all modes)
- Elementar vario MACRO (all modes)
- Elementar vario MACRO cube (N mode)
- Elementar vario MAX CN (all modes)

Key	Product	Qty	Elementar® part	Part no.
<b>X3023</b>	<b>Prepacked Sicapent-filled trap</b>	<b>1</b>		<b>X3023</b>
1	U-tube	1	34.00-1339/4	C3038
2	Filter, diameter 18 mm	2	03 002 399	E1174
3	Sicapent 		03 960 352	B1197


### X3024 Elementar® Prepacked Sicapent®- filled Trap



X3024 Sicapent-filled trap

Suitable for:

- Elementar rapid MAX N exceed (all modes)
- Elementar rapid N cube (all modes)
- Elementar rapid N exceed (all modes)
- Elementar vario MACRO cube (CN/CNS/N modes)
- Elementar vario Max cube (CN mode)

Key	Product	Qty	Elementar® part	Part no.
<b>X3024</b>	<b>Prepacked Sicapent -filled trap</b>	<b>1</b>		<b>X3024</b>
1	Drying tube 348 mm	1	16.00-1012	C3026
2	Cotton wool	10 mm	05 001 715	E2516
3	Sicapent 		03 960 352	B1197


### X3025 Elementar® Prepacked Sicapent®- filled Trap



X3025 Prepacked Sicapent trap

Suitable for:

- Elementar rapid N cube (all modes)
- Elementar rapid N exceed (all modes)
- Elementar vario MAX cube (CN mode)

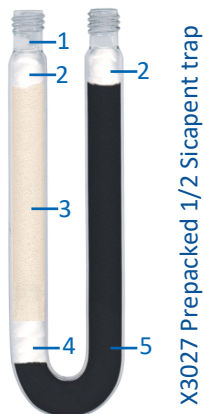
Key	Product	Qty	Elementar® part	Part no.
<b>X3025</b>	<b>Prepacked Sicapent-filled trap</b>	<b>1</b>		<b>X3025</b>
1	Drying tube	1	16.00-1037	C3047
2	Cotton wool	10mm	05 001 715	E2516
3	Sicapent 		03 960 352	B1197

## Prepacked tubes for Elementar® analysers

## X3027 Elementar® Prepacked 1/2 filled Sicapent® Trap

Suitable for:

- Elementar vario MAX CN (N mode)

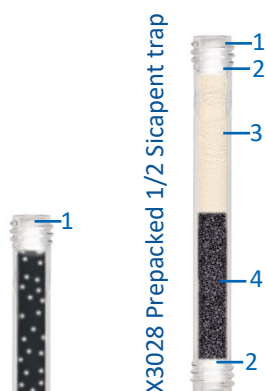


Key	Product	Qty	Elementar® part	Part no.
<b>X3027</b>	<b>Prepacked 1/2 filled Sicapent trap &amp; bottle of EMASorb</b>	<b>1</b>		<b>X3027</b>
1	U-tube	1	11.0-0015/4	C3038
2	Filter, diameter 18 mm	2	03 002 399	E1174
3	Sicapent		03 960 352	B1197
4	Quartz wool	20mm	03 679 908	B1102
5	EMASorb A Granular		03 679 900	B1115

## X3028 Elementar® Prepacked 1/2 filled Sicapent® Trap

Suitable for:

- Elementar rapid MAX N exceed (all modes)
- Elementar vario MAX cube (N mode)



Key	Product	Qty	Elementar® part	Part no.
<b>X3028</b>	<b>Prepacked 1/2 filled Sicapent trap &amp; bottle of EMASorb</b>	<b>1</b>		<b>X3028</b>
1	Drying tube short	1	16.00-1037	C3047
2	Cotton wool	10mm	05 001 715	E2516
3	Sicapent		03 960 352	B1197
4	EmaSorb A granular		03 679 900	B1115

## X3029 Elementar® Prepacked 1/2 filled Sicapent® Trap

Suitable for:

- Elementar rapid MAX N exceed (all modes)



Key	Product	Qty	Elementar® part	Part no.
<b>X3029</b>	<b>Prepacked 1/2 filled Sicapent C3026 trap</b>	<b>1</b>		<b>X3029</b>
1	Drying tube 348 mm	1	16.00-1012	C3026
2	EMASorb filling	30g		
3	Cotton wool	10mm	05 001 715	E2516
4	Sicapent	149mm	03 960 352	B1197
5	Cotton wool	20mm	05 001 715	E2516

## Prepacked tubes for Gerhardt® analysers

X1270, X1272 and X4031 are suitable for:

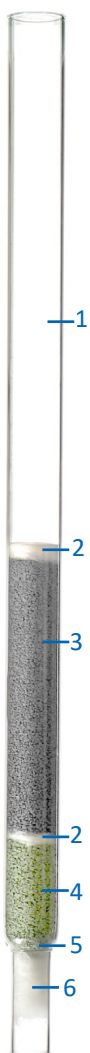
- Gerhardt Dumatherm® (all modes)

### X1270 Prepacked Dumatherm® Reaction Tube (r)

Key	Product	Qty	Gerhardt® part	Part no.
<b>X1270</b>	<b>Prepacked Dumatherm® Tube (r)</b>	<b>1</b>	<b>14-0024/14-0244/7726</b>	<b>X1270</b>
1	Quartz reaction tube	1	14-0018/14-0203/7719	C1140
2	Quartz wool pads large	10mm	14-0275	! B1356
3	HT catalyst	120mm	14-0011/7711	B1301
4	LT Catalyst	50mm	14-0014/7714	B1302
5	Quartz wool pads large	5mm	14-0275	! B1356
6	Quartz wool pads small	50mm	14-0274	! B1355

### X1272 Chromium-free Prepacked Reaction Tube (r)

Key	Product	Qty	Gerhardt® part	Part no.
<b>X1272</b>	<b>Chromium-free pre-packed tube (r)</b>	<b>1</b>	<b>14-0245</b>	<b>X1272</b>
1	Quartz Reaction tube	1	14-0018/14-0203/7719	C1140
2	Quartz wool pads large	20mm	14-0275	! B1356
3	Chromium free catalyst	120mm		
4	Quartz wool pads large	5mm	14-0275	! B1356
5	Quartz wool pads small	50mm	14-0274	! B1355



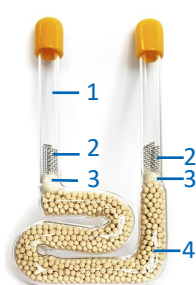
X1270 Prepacked Dumatherm® reaction tube (r)



X1272 Chromium-free prepacked tube

### X4031 CO2 Adsorber Tube with Adsorbent

Key	Product	Qty	Gerhardt® part	Part no.
<b>X4031</b>	<b>CO2 adsorber tube with adsorbent</b>	<b>1</b>	<b>14-0021/14-0521</b>	<b>X4031</b>
1	Scrubber tube	1		
2	Stainless steel gauze spacer	1		E2250
3	Silica wool	3mm	14-0043	! B1208
4	Molecular sieve 1.6-2.5mm beads	8.3 g		!



X4031 CO2 adsorber tube

## Prepacked tubes for LECO® analysers




### X3000 LECO® Prepacked Reduction Tube



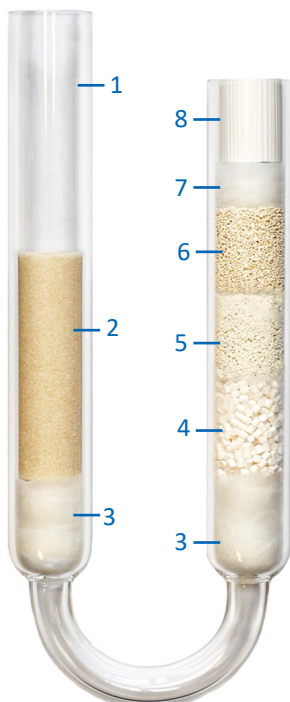
X3000 LECO® prepacked reduction tube

Suitable for:

- LECO CHN628 (all modes)
- LECO FP528 (all modes)
- LECO TruMac series (all modes)
- LECO TruSpec CHN (all modes)

Key	Product	Qty	LECO® part	Part no.
<b>X3000</b>	<b>Prepacked reduction tube</b>	<b>1</b>		<b>X3000</b>
1	Quartz reduction tube	1	619-154	C4339
2	Copper wires	 185 mm	502-705	B1015M
3	Copper turnings	 5 mm	502-656	B1107
4	Nitrogen catalyst pellets	45 mm	502-049	B1061
5	Copper turnings	 25 mm	502-656	B1107




### X3010 LECO® Prepacked Combustion Tube



X3010 LECO® prepacked combustion tube

Suitable for:

- LECO FP528 (all modes)

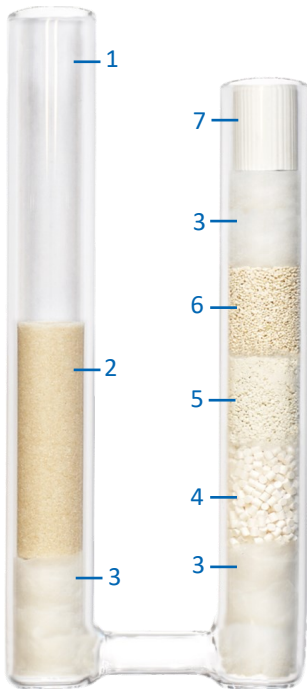
Key	Product	Qty	LECO® part	Part no.
<b>X3010</b>	<b>Prepacked combustion tube</b>	<b>1</b>		<b>X3010</b>
1	Combustion tube	1	616-108	C4057
2	Porous crucible	1	614-961-110	C4065
3	Quartz wool strip	 2	608-379	B1192
4	Aluminium oxide pellets	40 cc	502-188	B1163
5	Furnace reagent	 30 cc	501-609	B1191
6	Magnesium oxide beads	30 cc	502-359	B1190
7	Quartz wool strip	 1	608-379	B1192
8	Honeycomb ceramic	1	780-899	C4058

## Prepacked tubes for LECO® analysers



### X3015 LECO® Prepacked Combustion Tube

Suitable for:

- LECO TruSpec CHN (all modes)



X3015 LECO® prepacked combustion tube

Key	Product	Qty	LECO® part	Part no.
<b>X3015</b>	<b>Prepacked combustion tube</b>	<b>1</b>		<b>X3015</b>
1	Combustion tube	1	619-065	C4338
2	Porous crucible	1	614-961-110	C4065
3	Quartz wool strip 	2	608-379	B1192
4	Aluminium oxide pellets	40 cc	502-188	B1163
5	Furnace reagent 	30 cc	501-609	B1191
6	Magnesium oxide beads	30 cc	502-359	B1190
7	Honeycomb ceramic	1	780-899	C4058

Are we missing anything you would like us to make for you? Let us know!

These prepacked tubes offer the same high quality and value for money that is typical of Elemental Microanalysis' entire product range. [Visit our website](#) for a complete range of compatible products for your analyser.

Available to order from our [ISO 9001](#) factory [online](#), [by email](#), telephone or fax. Elemental Microanalysis offers extensive knowledge of analysis, over 40 years of experience and a worldwide reputation for excellence.

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Available from your local Dealer:



# Macro N/Protein Analysis Product Summary

OEM	Analyser	Mode	X1270	X1272	X3000	X3010	X3015	X2502	X2507	X3022	X3023	X3024	X3025	X3027	X3028	X3029	X4031
Elementar	rapid MAX N exceed	All							✓			✓			✓		
Elementar	rapid N cube	All										✓	✓				
Elementar	rapid N exceed	All							✓			✓	✓				
Elementar	rapid N III	All								✓	✓						
Elementar	vario MACRO	CN								✓	✓						
Elementar	vario MACRO	CNS						✓		✓	✓						
Elementar	vario MACRO	N								✓	✓						
Elementar	vario MACRO cube	CHN								✓							
Elementar	vario MACRO cube	CHNS						✓		✓							
Elementar	vario MACRO cube	CN								✓		✓					
Elementar	vario MACRO cube	CNS						✓		✓		✓					
Elementar	vario MACRO cube	N								✓	✓	✓					
Elementar	vario MAX CN	CN								✓	✓						
Elementar	vario MAX CN	N								✓	✓			✓			
Elementar	vario MAX cube	CN										✓	✓				
Elementar	vario MAX cube	N										✓			✓		
Gerhardt	Dumatherm	All	✓	✓													✓
LECO	CHN628	All			✓												
LECO	FP528	All			✓	✓											
LECO	TruMac series	All			✓												
LECO	TruSpec CHN	All			✓												