

# New Lux Amylose-1 Chiral Columns

A Cost Effective Guaranteed\* Alternative  
to CHIRALPAK® AD® Columns!

Your Chiral Life, Just Got Way Better!



Oferta ważna do 30 października 2015

**20%**

rabatu przy zakupie  
1 kolumny Lux Amylose-1  
o średnicy  $\leq 4.6$  mm

LUB

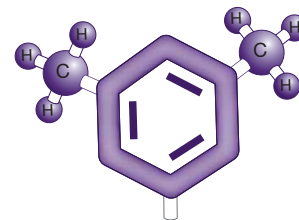
**35%**

rabatu przy zakupie  
3 lub więcej kolumn Lux  
o średnicy  $\leq 4.6$  mm  
(min. 1 szt. Lux Amylose-1)

**BONUS**

Kolumny preparatywne  
w super cenach?  
Zadzwoń do nas!  
Tel: 22 20 60 950

# NEW Lux Amylose-1 Chiral Columns



Amylose-O-CONH

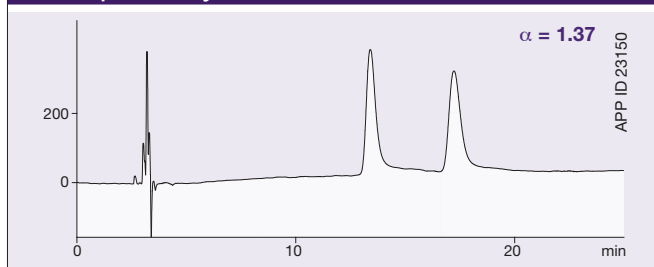
Amylose tris(3,5-dimethylphenylcarbamate)

- Essential selectivity for any chiral screen
- 5  $\mu\text{m}$  particle size for HPLC, SFC, and Preparative Purifications
- Guaranteed alternative to CHIRALPAK<sup>®</sup> AD<sup>®</sup> columns

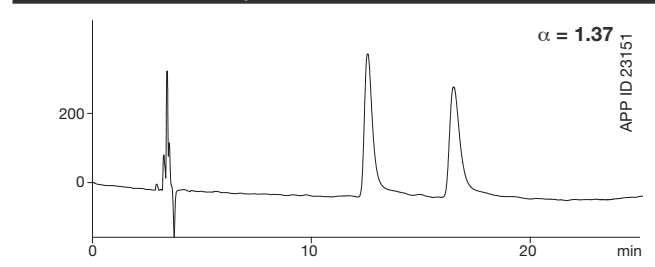
If you are using one of the DAICEL <sup>®</sup> columns below:	Guaranteed alternative:	Phase description for both columns:
CHIRALPAK <sup>®</sup> AD <sup>®</sup> , AD-H <sup>®</sup> , AD-3, AD-RH <sup>®</sup> , and AD-3R	Lux Amylose-1	Amylose tris(3,5-dimethylphenylcarbamate)

## Normal Phase

### Lux 5 $\mu\text{m}$ Amylose-1



### CHIRALPAK<sup>®</sup> 5 $\mu\text{m}$ AD-H<sup>®</sup>



#### Conditions for both columns:

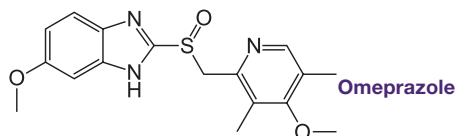
**Dimensions:** 250 x 4.6 mm

**Mobile Phase:** 0.1% Diethylamine in Hexane / 0.1% Diethylamine in IPA (80:20)

**Flow Rate:** 1 mL/min

**Detection:** UV @ 220 nm

**Temperature:** Ambient

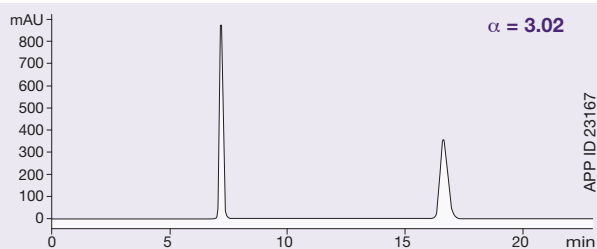


Are Lux Amylose-1 Columns More Affordable than CHIRALPAK<sup>®</sup> AD<sup>®</sup> Columns?

**YES! Contact your local Phenomenex representative to find out how much your lab will save today.**

## Reversed Phase

### Lux 5 µm Amylose-1



Conditions for both columns:

Dimensions: 250 x 4.6 mm

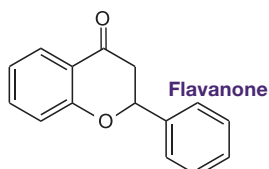
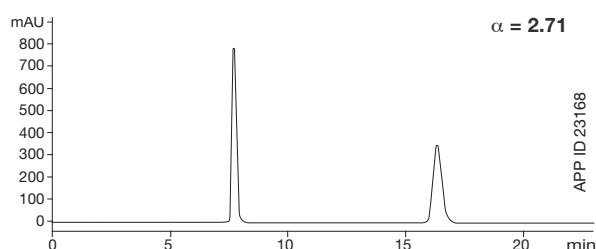
Mobile Phase: 20 mM Ammonium bicarbonate / Acetonitrile (20:80)

Flow Rate: 1 mL/min

Detection: UV @ 220 nm

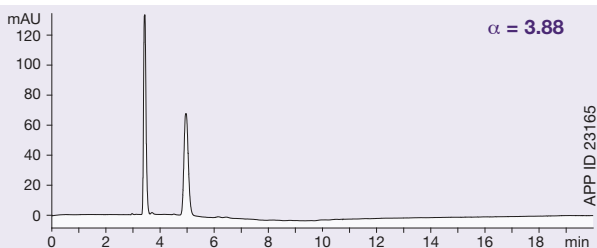
Temperature: Ambient

### CHIRALPAK® 5 µm AD-H®



## Polar Organic

### Lux 5 µm Amylose-1



Conditions for both columns:

Dimensions: 250 x 4.6 mm

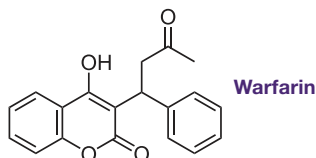
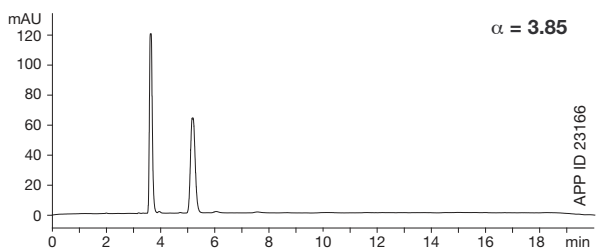
Mobile Phase: 0.1 % Acetic acid in Ethanol

Flow Rate: 1 mL/min

Detection: UV @ 254 nm

Temperature: Ambient

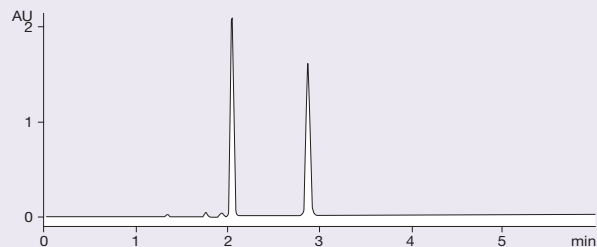
### CHIRALPAK® 5 µm AD-H®



## SFC - Customer Submitted Comparison

### Lux 5 µm Amylose-1

Chiral Selector: Amylose tris(3,5-dimethylphenylcarbamate)

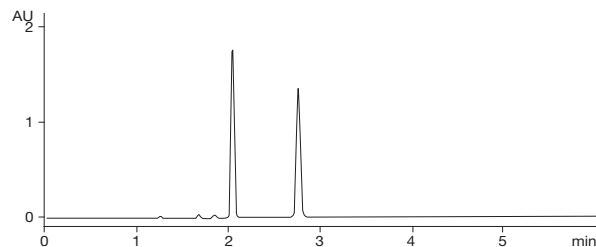


#### Peak Results

Retention Time (min)	Area (µV·sec)	% Area	Width (sec)
2.05	4330241	49.2	7.400
2.88	4466515	50.8	13.600

### Competitor Column

Chiral Selector: Amylose tris(3,5-dimethylphenylcarbamate)



#### Peak Results

Retention Time (min)	Area (µV·sec)	% Area	Width (sec)
2.07	4448038	49.9	11.400
2.72	4465988	50.1	17.000

# New Lux Amylose-1 Ordering Information oferta

guarantee

If Lux analytical columns ( $\leq 4.6$  mm ID) do not provide at least an equivalent or better separation as compared to a competing column of the same particle size, similar phase and dimensions, send in your comparative data within 45 days and keep the Lux column for FREE.

5 $\mu$ m Analytical Columns (mm)				SecurityGuard™ Cartridges (mm)	
Phases	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	4 x 3.0*
Amylose-1	00B-4732-E0	00D-4732-E0	00F-4732-E0	00G-4732-E0	10/pk AJ0-9336
					for ID: 3.2–8.0mm

5 $\mu$ m Axia™ Packed Preparative Columns (mm)				SecurityGuard Cartridges (mm)		
Phases	150 x 21.2	250 x 21.2	250 x 30	250 x 50	15 x 21.2**	15 x 30.0*
Amylose-1	00F-4732-P0-AX	00G-4732-P0-AX	00G-4732-U0-AX	00G-4732-V0-AX	ea AJ0-9338	ea AJ0-9339
					for ID: 18–29 mm	30–49 mm

\* SecurityGuard Analytical Cartridges require holder, Part No. : KJ0-4282

\*\*HPLC PREP SecurityGuard Cartridges require holder, Part No. : AJ0-8223

SFC PREP SecurityGuard Cartridges require holder, Part No. : AJ0-8617

\* HPLC PREP SecurityGuard Cartridges require holder, Part No. : AJ0-8277

SFC PREP SecurityGuard Cartridges require holder, Part No. : AJ0-8618



shim-pol

Wyłączny przedstawiciel w Polsce:

„SHIM-POL A.M. Borzymowski”

E. Borzymowska-Reszka, A. Reszka Sp.J.

Tel. 22/722 70 48, faks: 22/722 70 51

e-mail: [biuro@shim-pol.pl](mailto:biuro@shim-pol.pl) [www.shim-pol.pl](http://www.shim-pol.pl)



## FREE Chiral Screening Services

Trust your sample in the hands of our chiral experts at PhenoLogix and free up your time for other projects!

**Learn more:**

[www.phenomenex.com/phenologix](http://www.phenomenex.com/phenologix)



#### Trademarks

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#### Disclaimer

Comparative separations may not be representative of all applications.

SecurityGuard is patented by Phenomenex. U.S. Patent No. 6,162,362.

CAUTION: this patent only applies to the analytical-sized guard cartridge holder, and does not apply to SemiPrep, PREP or ULTRA holders, or to any cartridges.

Axia column and packing technology is patented by Phenomenex. U.S. Patent No. 7,674,383.

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