

Waters Pacific Pte Ltd

1 Science Park Road, #02-08 The Capricorn, Singapore Science
Park II, Singapore 117528

X	Original (please process)
X	Confirming (do not duplicate)
X	Quote Attached
Purchase Order Number 2018-160	

Supplier	
Venture International Pte Ltd	
05-01/12 5006 Ang Mo Kio Avenue 5, Techplace II, S569873	
Fax Number +65 6363 6283	
Phone: +65 6360 1202	

Requested by:	Luo HuaZhen	Tel	6593.7044
Date:	20 Apr 18	Mail Stop	
Deliver to:		Ext.	
Department:	WPPL	Mail Stop	
Ship to Location:	1 Science Park Road #02-08 The Capricorn, Singapore Science Park II, S117528		

P.O. Date	Delivery Date	Terms	Taxable	Freight	F.O.B	Ship Via	Confirming to	Buyer
20 Apr. 18		30 Days					Edwin Koh	Luo HuaZhen
Item	Qty	U/M	Manufacturer's Part Number	Description	Unit Price	Total Price (USD)	GL Account Number (Financial Line/Account No.)	CEA Number
1	5	E/A	402000122	MIRROR, 40 DEG PARABOLA, MOLDED	\$ 46.78	\$ 233.90	WP21 615150	
2	2	E/A	402000150	TUBE, PHOTOMULTIPLIER	\$ 236.29	\$ 472.58	WP21 615150	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
Grand Total - USD						\$706.48		

Kindly quote our PO number on all your documents.

Remarks Components for US team to do FLR Troubleshooting

Please send to Milford, Attention to Matthew Franklin (to be returned)

Approvals 1.  20th Apr 2018.
Edwin Koh, Surr Operations Manager

2  23/4/2018
Alan Tan, Surr Finance Manager

Purchasing Copy



2475 Optics Bench testing

Matt Franklin to: Edwin Koh

Cc: Nicholas Szwaja

17.04.2018 22:30

Hi Edwin,

Nick and I have been testing the 2 Optics Benches from Venture. Later this week we will send a full summary of the data we collected and some actions we need to follow up on.

For now I would like to share 2 things we need to look into further; the M2 mirror and the PMT.

M2 Mirror (402000122):

We have found on the 2 optics benches, that when we replace the M2 mirror with an older known good mirror, the Ray-Ram Valley significantly improves.

- We cannot yet say for certain if these M2 mirrors are bad. We are working on building a fixture to better test these mirrors.

For now can you please send Qty:5 M2 mirrors directly from Venture stock to Milford?

- Please do not send mirrors that have already been assembled. We would like to test the mirrors as they are received from the supplier.

- If you have mirrors that have already been assembled, that you think cause issues, feel free to send those in addition to the 5 from stock.

PMT (402000150):

We also found that the PMTs in the 2 optics benches are causing lower energy (and higher gain) compared to some older known good PMTs.

- This does not greatly impact performance but something we need to look into. We have sent an email to Hamamatsu asking for some sensitivity data.

- We do not yet believe these PMTs are bad but just something we want to look into more.

For now can you please send Qty:2 PMTs from Venture stock to Milford for further evaluation?

As we discussed on the phone, please feel free to set up a weekly conference call however note that this week Nick will not be available to call after 8:20am.

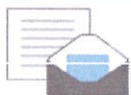
Thanks,
Matt

Matthew Franklin
Manufacturing Engineer II

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W www.waters.com
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Waters
THE SCIENCE OF
WHAT'S POSSIBLE.™

Waters Corporation
34 Maple Street
Milford
MA 01757
USA



Fw: PN : 402000122 & 402000150

Edwin Koh to: HuaZhen Luo

20.04.2018 10:19

History:

This message has been replied to.

Hi Huazhen,

Please help raise a PR

Thanks

Koh Edwin
Snr Operations Manager

Waters

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#02-08 The Capricorn

Singapore Science Park II

Singapore 117528



Linked In



Facebook

----- Forwarded by Edwin Koh/Waters on 20.04.2018 10:18 -----

From: Elson Ang Teck Hong <elson@venture.com.sg>
To: Edwin Koh <Edwin_Koh@waters.com>
Cc: Loo Kok Leong <kokleong_loo@venture.com.sg>
Date: 20.04.2018 09:06
Subject: PN : 402000122 & 402000150

Hi Edwin,

Below is the price for the 2 items, per your request.

Pls assist to issue PO for this. Thank you

PN : 402000122 , \$46.78 / each

PN : 402000150, \$236.29 / each

Elson Ang | Program Manager, Business Unit

VENTURE

GES (Singapore) Pte Ltd (Member of Venture Group of Companies)

Co Registration No. 198100471Z | 28 Marsiling Lane | Singapore 739152 | DID +65 6360 8347 | Main +65 6732 9898 | Fax +65 6363 6283 | Mobile +65 9764 8736 | URL: www.venture.com.sg

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