Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Interim
Provisional
Certificate of Approval
NMI P6/14D/17

VALID FOR VERIFICATION PURPOSES UNTIL 17 APRIL 2019

Issued by the Chief Metrologist uder Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Precia Molen X241-BS Model TAB 3 Belt Weighing Instrument

submitted by Precia SA
BP 106
07000 Privas
FRANCE

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 50, *Continuous totalising automatic weighing instruments (belt weighers), Parts 1 and 2,* dated July 2004.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	18/10/17
1	Pattern provisionally approved - interim certificate extended	17/10/18

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI P6/14D/17' and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0B.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

Special Conditions of Approval: (Provisional Approval)

This approval is limited to two (2) instruments located at:

Emerald Grain Melbourne Port Terminal
18 – 20 Enterprize Road
West Melbourne VIC 3003

Instruments purporting to comply with this approval shall be marked with approval number 'NMI P6/14D/17' and only by persons authorised by the submittor. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory testing and evaluation (results of verification testing shall be copied to the Pattern Approval Section at NMI).

In the event of unsatisfactory performance the approval may be cancelled (or varied).

The submittor shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

1. Description of Pattern provisionally approved on 13/10/17

A Precia Molen X241-BS model TAB 3 class 1 belt conveyor weigher of 400 t/h maximum flow rate, approved for use over a flow rate range of 20% to 100% of maximum flow rate.

The instrument is approved with a weigh length of 3.018 m, a belt width of 0.75 m, and a belt speed of 3.2 m/s.

Means shall be provided to ensure that the conveyor cannot move in the reverse direction.

The conveyor has an inclination of up to 35 degrees from the horizontal.

The model TAB 3 weigh frame consists of 2 support members and 1 weighing module suspended at each corner by a HBM model Z6FC3 load cell of 100 kg capacity. The weighing module carries 3 idler roller frames to transfer the load from the conveyor belt to the weighing module.

Belt speed is sensed by a pair of Pepperl+Fuchs model NJ10-30MG-N inductive proximity sensors.

A Precia Molen model I410 integrator/totaliser is used. The integrator/totaliser may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

1.1 Verification Provision

Provision is made for the application of a verification mark.

1.2 Descriptive Markings

The instrument carries the following markings, grouped together in a clearly visible Instruments are marked with the following information, on one or more permanently attached nameplates:

Manufacturer's mark, or name written in full	Precia SA	
Indication of accuracy class	Class 1	
Type designation (model number) of the instrument	X241-BS TAB 3	
Serial number of the instrument	…….	
Pattern approval mark for the instrument	NMI P6/14D/17	(*)
Maximum flow rate	Q_{max} = 400 t/h	
Minimum flow rate	Q_{min} = 80 t/h	
Minimum totalised load	$\sum_{min}$ = 8 t	
Maximum capacity of the weighing unit	Max = 105 kg	
Totalisation scale interval	d = 1 kg	
Belt speed	v = 3.2 m/s	
Weigh length	L = 3.018 m	
Designation of product(s) to be weighed (if not fixed by installation conditions)	Grain	

In addition to the above markings the instrument shall bear the inscription:

'Zero testing shall have a duration of at least ... revolutions'.

The number of revolutions in this statement shall be a whole number of revolutions (at least one) and of a duration as close as possible to 3 minutes.

(*) The 'P' in the approval number may be a temporary marking.

TEST PROCEDURE No P6/14D/17

Instruments shall be tested in accordance with any relevant tests for this category of instrument.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

Darryl Hines

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