



STANDARD OPERATING PROCEDURE

Department: Quality Control	SOP No.:
Title: Rounding of Analytical Results	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 OBJECTIVE:

To lay down a procedure for Rounding of Analytical results.

2.0 SCOPE:

This SOP is applicable to Rounding of Analytical results on the reports after analysis in the Quality Control Department.

3.0 RESPONSIBILITY:

Officer, Executive – Quality Control Department.

Head – Quality Control Department.

4.0 DEFINITION(S):

NA

5.0 PROCEDURE:

5.1 The limits are fixed number and hence, those shall not be "rounded off".

5.2 The observed or calculated value shall be "rounded off" to the number of places in agreement with the limit expression by the following procedure.

5.3 When "rounding off" of results is required, only one digit in the decimal place to the right of the last place in the limit expression shall be considered.

5.4 If the digit is smaller than 5, it is eliminated and the preceding digit shall be unchanged.

5.5 If the digit is greater than 5, it is eliminated and the preceding digit shall be increased by one.

5.6 If the digit is 5 or more than 5, the same is eliminated and the preceding digit shall be increased by one.



PHARMA DEVILS
QUALITY CONTROL DEPARTMENT

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The table given below illustrates the criteria mentioned in point no.5.4 to 5.6.

Limit	Unrounded value	Rounded value
> 98.0%	97.96%	98.0%
	97.92%	97.9%
	97.95%	98.0%
<101.5%	101.55%	101.6%
	101.46%	101.5%
	101.45%	101.5%
<0.02%	0.025%	0.03%
	0.015%	0.02%
	0.027%	0.03%

5.7 No rounding shall be done in case of analytical result of related substances.

6.0 ABBREVIATION(S):

QCD - Quality Control Department
SOP - Standard Operating Procedure

7.0 REFERENCE(S):

NA

8.0 ANNEXURE(S):

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REVISION CARD:

S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION