

PHARMA DEVILS QUALITY CONTROL DEPARTMENT

GENERAL TESTING PROCEDURE

The Silver Nitrate 0.05 M						
SOP No.:		Department :	QC			
Effective Date :		Review Date :				
Revision No.:	00	Page No.:	1 of 3			
Supersede SOP No.:	Nil					

1.0 OBJECTIVE:

Title: Silver Nitrate 0.05 M

1.1 To lay down a procedure for the preparation and standardisation of 0.05 M Silver Nitrate.

2.0 SCOPE:

2.1 It is applicable for the estimation of Raw material, bulk product, intermediate product and finish products.

3.0 RESPONSIBILITY:

- **3.1** Analyst / Officer / Executive follow the procedure.
- **3.2** Head-QC are responsible for effective implementation of this SOP.

4.0 **REFERENCE:**

4.1 BP

5.0 **DEFINITION:**

5.1 Molarity is the number of mole of substance that are present in the given Volume of the solution.

6.0 **PROCEDURE:**

6.1 Material and Equipment:

6.1.1 Volumetric flask 1000 ml, Silver Nitrate, Sodium chloride, conical flask, record book etc.

6.2 **Preparation:**

6.2.1 Dissolve 9.5 g of silver nitrate in water and dilute to 1000.0 mL with the same solvent.

6.3 Standardisation:

6.3.1 Dissolve 25 mg of sodium chloride in water, add 5 mL of dilute nitric acid and dilute to 50 mL with water. Titrate with the silver nitrate solution, determining the end-point potentiometrically.



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Super	sede SOP No.	.: Nil				
	Calculation:		of 0.05 m Silver Nitrate ht of primary std in gm	-		-
	Mo	-				•
	1010		Consume vol. X 0.0029			
				2		
7.0	Annexures:					
	7.1 Annexure	e-I: Molarity Calcul	ation format of Volume	tric Sol	ution 0.05 M Si	ilver Nitrate.
		ý				
8.0	Distribution	:				
	8.1 Display c	opy 1 : Instrument	Lab			
9.0	Abbreviation	1:				
			anal Taat Duo oo duuo			
	GT	P : Gene	eral Test Procedure			
	QC	: Qual	lity Control laboratories	6		
10.0	Revision His	tory:				
	10.1 Revisio	n history table:				
	TATI INCARIO	n motory table.				
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ANNEXURE-I

Molarity Calculation format of Volumetric Solution 0.5 M Silver Nitrate

Sr. No.	Date	Qty. Prep.	Batch no.	Primary Std. ID. No.	Primary Std. Weight	Calculation	RSD NMT 0.2%	Mean Molarity	Date of Standardization.
1.									
2.									
3.									

Prepared By (Sign/Date):

Checked By (Sign/Date):