

# Ammonia Benchsheet (Colorimetry)

Laboratory

Date:  Analyst:

**Sample location**

- Raw (influent sampler)
- Final (effluent sampler)

**Sample type**

- Grab
- Flow composite
- Grab
- Flow composite

**Digestion method**

- Hach (or equiv.) block digester
- Autoclave
- Hot plate (manual)

**Analysis method**

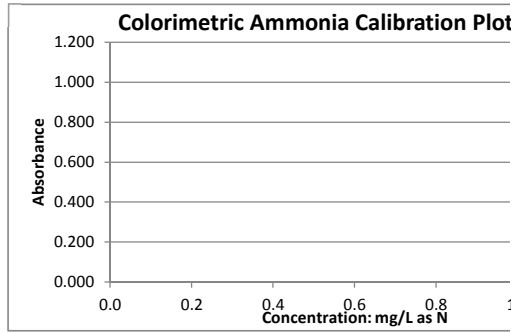
- Hach TNT+ 830
- Hach TNT+ 831

**Traceability Information**

Name	Concentration	Units	Vendor	Lot #	Expiration date
Stock Standard		mg/L as N			
Working Standard		mg/L as N			
Second source Std		mg/L as N			

**Calibration parameters**

Correlation (r)=  Criteria ≥ 0.995  
 Slope=   
 Intercept=  < LOD  
 LOD=



Sample	TNT + Method	Sample mLs	Sample + DI mLs	DF	Absorbance	Instrument NH3-N mg/L	Final NH3-N mg/L	True Value Notes	Quality Control
Calibration Blank	830	5	5						
Standard 1	830	5	5				RF=		
Standard 2	830	5	5				RF=		
Standard 3	830	5	5				RF=		
Standard 4	830	5	5				RF=		
Standard 5	830	5	5				RF=		
Standard 6	830	5	5				RF=		
Standard 7	830	5	5				RF=		
Standard 8	830	5	5				RF=		
Method Blank	830	5	5	1				Criteria: <LOD	
ICV	830	5	5	1				Criteria: 90-110%	
LCS	830	5	5	1				Criteria: 90-110%	
1	830	5	5	1					
2	830	5	5	1					
3	830	5	5	1					
4	830	5	5	1					
5	830	5	5	1					
6	830	5	5	1					
7	830	5	5	1					
8		5	5	1					
9		5	5	1					
10		5	5	1					
LCS	830	5	5	1				Criteria: 90-110%	

mg/L = [ (absorbance - INTERCEPT) ÷ SLOPE ] x any DF