

# Increase Quality Assurance, Optimize Process Productivity

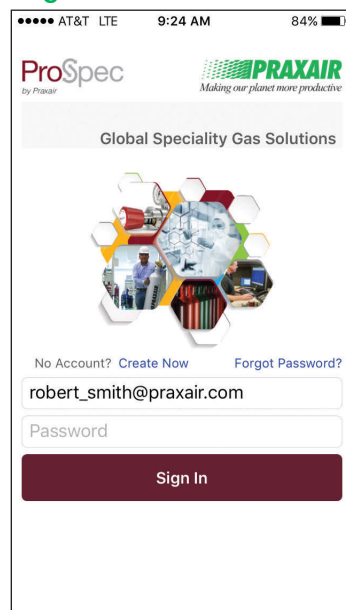
With Praxair's Mobile App, QSpec™, simplify cylinder management with cylinder information, blend specifications and electronic Certificates-of-Analysis (eCOA's), all through your phone.

Praxair's QSpec™ mobile app provides greater integrity and efficiency to your gas dependent processes. Scan cylinder mounted QR codes with your phone to receive and store cylinder information. Quickly verify gas blend components and mix accuracy, and track the expiration date of your gas blends to maintain optimal process performance. Simplify cylinder management and cylinder tracking in your facility by using your phone as a mobile database of cylinder information. You can also email on-demand Electronic Certifications of Analysis (eCOA's) for each cylinder to your desktop.

## BENEFITS

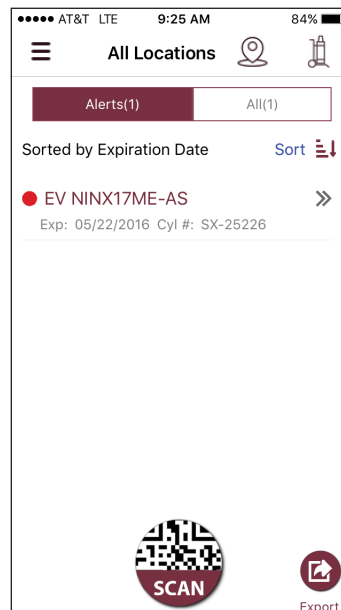
- Scan and store cylinder information, blend expiration dates and blend specifications in your phone.
- Set alerts to monitor and prevent expiration of your gas blend to ensure process quality.
- Quickly retrieve and email eCOA's.
- Create, store and email your cylinder reorder list.
- Assign scanned cylinders to customizable locations to assist with cylinder tracking.

### Login



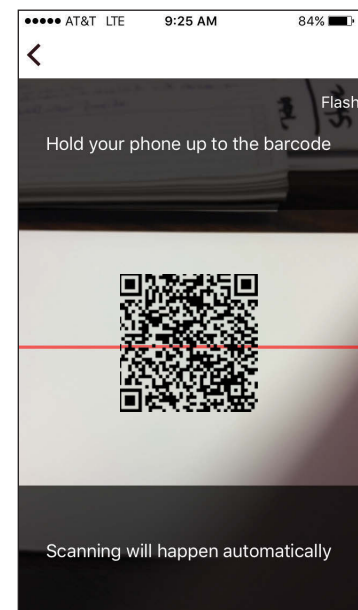
- Create a new account
- Sign in

### Home



- Set locations
- View alerts
- Access the QR code scanner
- Navigate to the reorder page
- Export data

### QR Code Scan for eCOA



Each cylinder QR code retrieves:

- Cylinder serial and lot numbers
- Blend component listing

## Cylinder Info

AT&T LTE 9:25 AM 84%

West Little York >

Alert before expiration 45 days

**EV NINX17ME-AS**  
 Cylinder SN: SX-25226  
 Lot Number: 109312404  
 Fill Date: 05/04/2013  
 Certification Date: 05/22/2013  
 Expiration Date: 05/22/2016 ●  
 Cylinder Pressure: 2000 psig  
 Cylinder Volume: 140 cu. ft.

Requested Concentration:  
 NITROGEN DIOXIDE (as NOx): 17 ppm  
 NITROGEN: Balance

Certified Concentration:  
 NITROGEN DIOXIDE (as NOx): 16.8 ppm (-0.01 %)  
 NITROGEN: Balance

**Scan History**  
 08/23/2016 10:33 AM  
 Location: (Not Entered)

Delete Get COA Reorder

- Location information
- Alerts – set, edit and review
- Expiration status – expired and near expiration items
- eCOA access
- History
- Ability to add to reorder list

Get immediate access to your COA's

Get COA

## Reorder List

AT&T LTE 9:25 AM 84%

EV NINX17ME-AS

1

Delete

NITROGEN DIOXIDE (as NOx): 17 ppm  
 NITROGEN: Balance  
 Cylinder Pressure: 2000 psig  
 Cylinder Volume: 140 cu. ft.

Email Reorder List

- View each cylinder's:
  - Part number
  - Requested concentrations for all chemical compounds
  - Cylinder pressure
  - Cylinder volume
- Edit reorder quantity
- Email reorder list to your desktop

See for yourself - Test the QR codes for sample cylinder information.

### Scan QR Code



### To receive cylinder information

**Customer & Order Information:**

PRAXAIR WHSE OXNARD CA Praxair Order Number: 32626607 Fill Date: 9/22/2015  
 455 E WOOLEY RD Customer PO Number: 05754515 Part Number: NI NO40ME-AS  
 OXNARD CA9303p0000 Customer Reference Number: Lot Number: 109526510  
 Cylinder Style and Outlet: AS CGA 660  
 Cylinder Pressure and Volume: 2000 psig 140 cu. ft.

**Certified Concentration:**

Expiration Date:	10/13/2018	NIST Traceable
Cylinder Number:	CC139823	Analytical Uncertainty:
39.2 ppm	NITRIC OXIDE	± 0.7 %
Balance	NITROGEN	

NOx ppm = 39.5 ppm NOX for Reference Only

### Scan QR Code



### To receive cylinder information

**Customer & Order Information:**

PRAXAIR PKG BUFFALO NY BROADWAY | Praxair Order Number: 70024783 Fill Date: 1/4/2016  
 1811 BROADWAY ST Customer PO Number: Part Number: NI OX1E-AS  
 BUFFALO NY14212 Customer Reference Number: Lot Number: 30173300460  
 Cylinder Style and Outlet: AS CGA 580  
 Cylinder Pressure and Volume: 2000 psig 140 cu. ft.

**Certified Concentration:**

Expiration Date:	01/08/2024	NIST Traceable
Cylinder Number:	CC283577	Analytical Uncertainty:
1.041 %	OXYGEN	± 0.7 %
Balance	NITROGEN	

## Download the QSpec App

Available from the App Store (iPhone) or Google Play Store (Android)



Contact Praxair today to learn how QSpec can streamline your cylinder management process.



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