



**Copperworks American Single Malt Whiskey  
Release 012 – June 19, 2018**

**Brew Data for Barrels # 96, 98, 99, 101**

Total # of brews: 2 - 20150529-1(FV1), and 20150610-1(FV2)

- Brew 1 number: 20150529-1(FV1)
  - Brew date: 05/29/15
  - Malt Bill: 4,000 lbs. Great Western Malting WA Select Two Row Pale, 605 lbs. Caramel 30/37, 385 lbs. Special B, 350 lbs. Biscuit malt, 220 lbs. Melanoidin.
  - Brewery: Elysian Brewing Co, Airport Way facility
  - Volume in fermentation: 1,984 gal
  - Original Gravity: 1.075
  - Terminal Gravity: 1.017
  - Days in fermentation: 14 days at 68 degrees F.
  - Percent ABV at end of fermentation: 7.94%
  - Minimum days in cold-conditioning: 15 days
- Brew 2 number: 20150610-1 (FV2)
  - Brew date: 06/10/15
  - Malt Bill: 4,000 lbs. Great Western Malting WA Select Two Row Pale, 605 lbs. Caramel 30/37, 385 lbs. Special B, 350 lbs. Biscuit malt, 180 lbs. Melanoidin. 4.03 lbs. Gypsum
  - Brewery: Elysian Brewing Co, Airport Way facility
  - Volume in fermentation: 1,953 gal
  - Original Gravity: 1.075
  - Terminal Gravity: 1.019
  - Days in fermentation: 12 days at 68 degrees F.
  - Percent ABV at end of fermentation: 7.8%
  - Minimum days in cold-conditioning: 18 days

**Brew Data for Barrel # 80, 88**

- Total # of brews: 3 - 20150318-1(FV1), 20150326-1(FV2), and 20150408-1(FV3)
- Brew 1 number: 20150318-1(FV1)
  - Brew date: 03/18/15
  - Malt Bill: 5,400 lbs. 100% WA Select Pale

- 
- Brewery: Elysian Brewing Co, Airport Way facility
  - Volume in fermentation: 1,922 gal
  - Original Gravity: 1.074
  - Terminal Gravity: 1.001
  - Days in fermentation: 9 days at 68 degrees F.
  - Minimum days in cold-conditioning: 19 days
  - Percent ABV at end of fermentation: 8.84%
  - Brew 2 number: 20150326-1(FV2)
    - Brew date: 03/26/15
    - Malt Bill: 5,000 lbs. 100% WA Select Pale
    - Brewery: Elysian Brewing Co, Airport Way facility
    - Volume in fermentation: 1,758.94 gal
    - Original Gravity: 1.073
    - Terminal Gravity: 1.012
    - Days in fermentation: 9 days at 68 degrees F.
    - Minimum days in cold-conditioning: 24 days
    - Percent ABV at end of fermentation: 8.43%
  - Brew 3 number: 20150408-1(FV3)
    - Brew date: 04/08/15
    - Malt Bill: 5,050 lbs. 100% WA Select Pale
    - Brewery: Elysian Brewing Co, Airport Way facility
    - Volume in fermentation: 1,856 gal
    - Original Gravity: 1.075
    - Terminal Gravity: 1.009
    - Days in fermentation: 9 days at 68 degrees F.
    - Minimum days in cold-conditioning: 18 days
    - Percent ABV at end of fermentation: 9.12%

### **Distillation Data for Barrel #96, 98, 99, 101**

- Total # of Wash Distillations: 4
  - Wash Distillation 1 number: 20150622-1
    - Low Wines Yield: 310.76 gal
    - Low Wines ABV: 23.04%
  - Wash Distillation 2 number: 20140626-1
    - Low Wines Yield: 316.19 gal
    - Low Wines ABV: 22.65%
  - Wash Distillation 3 number: 20140707-1
    - Low Wines Yield: 319.45 gal

- 
- Low Wines ABV: 22.0%
  - Wash Distillation 4 number: 20140709-1
    - Low Wines Yield: 324.89 gal
    - Low Wines ABV: 22.9%
  - Total # of Whiskey Distillations: 4
    - Whiskey Distillation 1 number: 20150623-1
      - New make yield: 101.02 gal
      - New make ABV: 68.0%
    - Whiskey Distillation 2 number: 20150629-1
      - New make yield: 104.31 gal
      - New make ABV: 67.9%
    - Whiskey Distillation 3 number: 20150708-1
      - New make yield: 102.66 gal
      - New make ABV: 67.9%
    - Whiskey Distillation 4 number: 20150713-1
      - New make yield: 112.55 gal
      - New make ABV: 67.7%

### **Distillation Data for Barrel #80, 88**

- Total # of Wash Distillations: 5
  - Wash Distillation 1 number: 20150415-1
    - Low Wines Yield: 334.12 gal
    - Low Wines ABV: 25.35%
  - Wash Distillation 2 number: 20150416-1
    - Low Wines Yield: 302.07 gal
    - Low Wines ABV: 25.6%
  - Wash Distillation 3 number: 20150424-1
    - Low Wines Yield: 292.29 gal
    - Low Wines ABV: 24.55%
  - Wash Distillation 4 number: 20150428-1
    - Low Wines Yield: 299.9 gal
    - Low Wines ABV: 24.45%
  - Wash Distillation 5 number: 20150430-1
    - Low Wines Yield: 325.97 gal
    - Low Wines ABV: 25.95%
  - Wash Distillation 6 number: 20150504-1
    - Low Wines Yield: 314.02 gal
    - Low Wines ABV: 26.1%

- Total # of Whiskey Distillations: 6
  - Whiskey Distillation 1 number: 20150415-1
    - New make yield: 96.62 gal
    - New make ABV: 67.95%
  - Whiskey Distillation 2 number: 20150417-1
    - New make yield: 98.82 gal
    - New make ABV: 68.05%
  - Whiskey Distillation 3 number: 20150427-1
    - New make yield: 98.82 gal
    - New make ABV: 68.1%
  - Whiskey Distillation 4 number: 20150429-1
    - New make yield: 98.55 gal
    - New make ABV: 67.90%
  - Whiskey Distillation 5 number: 20150501-1
    - New make yield: 104.31 gal
    - New make ABV: 67.90%
  - Whiskey Distillation 6 number: 20150505-1 (For Barrel 88)
    - New make yield: 98.82 gal
    - New make ABV: 67.85%

### **Maturation Data for Barrels #96, 98, 99, 101**

- Barreling date: 07/23/15
- Proofing date for cask-ready whiskey: 04/28/15
- Barrel entry proof: 101.1 Proof (50.55% ABV)
  - Barrel number: 96, 98, 99, 101
  - Cooperage: ISC, Lebanon, MO
  - Barrel volumes: 96 = 53.3 gal; 98 = 53.2 gal; 99 = 53.6 gal; 101 = 52.7 gal
  - Stave age: 96 & 101 = 2 years; 98 & 99 = 18 months
  - Stave wood: American White Oak
  - Toast: 96 & 101 = heavy toast; 98 & 99 = toasted heads
  - Char: 96, 98 & 99 = #3; 101 = #2
- Warehouse conditions: ~70 degrees F. Average humidity ~50%
- Minimum days of maturing, prior to mingling: 1,020 days
- Exit proof: 114.85 Proof (57.43% ABV)

### **Maturation Data for Barrels #88**

- Barreling date: 05/08/15

- 
- Proofing date for cask-ready whiskey: 05/06/15
  - Barrel entry proof: 115.0 Proof (57.5% ABV)
    - Barrel number: 88
    - Cooperage: Kelvin Cooperage, Louisville, KY
    - Barrel volumes: 53 gal
    - Stave age: 2 years
    - Stave wood: American White Oak
    - Toast: 40 minute - Long
    - Char: #3
  - Warehouse conditions: ~70 degrees F. Average humidity ~50%
  - Minimum days of maturing, prior to mingling: 1,096 days
  - Exit proof: 119.2 proof (59.6%)

### **Maturation Data for Barrel # 80**

- Barreling date: 05/04/15
- Proofing date for cask-ready whiskey: 04/28/15
- Barrel entry proof: 120.0 Proof (60% ABV)
  - Barrel number: 80
  - Cooperage: Kelvin Cooperage, Louisville, KY
  - Barrel volumes: 53.3 gal
  - Stave age: 2 years
  - Stave wood: American White Oak
  - Toast: 40 minute - Long
  - Char: #3
- Warehouse conditions: ~70 degrees F. Average humidity ~50%
- Minimum days of maturing, prior to mingling: 1,100 days
- Exit proof: 124.50 Proof (62.25% ABV)

### **Mingling, Marrying, and Proofing Data for all barrels in Release 012**

- Date barrels dumped for mingling: 05/08/18
- Exit proof: 116.95 Proof (58.48% ABV)

### **Bottling Data for all barrels in Release 012**

- Proofed for bottling Date: 05/10/18
- Final proof: 96 proof (48.0% ABV)
- Bottling Date: 06/19/18
- Bottles produced for release: 1,410 bottles