

Ahtanum APA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **35**
- SRM **4.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.1 liter(s)**
- Total mash volume **22.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **17.1 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|--------|-----|
| Grain | Słód pszeniczny Bestmalz | 0.2 kg (3.5%) | 82 % | 5 |
| Grain | Thomas Fawcett Halcyon | 2.5 kg (43.9%) | 80.5 % | 5 |
| Grain | Słód pilzneński Castlemalting | 2.5 kg (43.9%) | 81 % | 3.5 |
| Grain | Thomas Fawcett Pale Cara | 0.5 kg (8.8%) | 80 % | 9 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Boil | Bravo | 15 g | 60 min | 13.7 % |
| Aroma (end of boil) | Ahtanum | 20 g | 15 min | 3.4 % |
| Aroma (end of boil) | Centennial | 20 g | 10 min | 9.4 % |
| Aroma (end of boil) | Ahtanum | 20 g | 10 min | 3.4 % |
| Aroma (end of boil) | Ahtanum | 30 g | 5 min | 3.4 % |
| Aroma (end of boil) | Centennial | 30 g | 0 min | 9.4 % |
| Dry Hop | Ahtanum | 30 g | 5 day(s) | 3.4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|-------------|-------------|---------------|-------------------|
| FM21 Odkrycie sezonu | Ale | Liquid | 30 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Fining | Irish Moss | 5 g | Boil | 15 min |