

## 35. "APA że Mócha nie siada" - American Pale Ale

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **57**
- SRM **9.9**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name                      | Amount       | Yield | EBC |
|-------|---------------------------|--------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3.5 kg (70%) | 85 %  | 7   |
| Grain | Abbey Malt Weyermann      | 0.5 kg (10%) | 75 %  | 45  |
| Grain | Carahell                  | 0.5 kg (10%) | 77 %  | 26  |
| Grain | Weyermann - Carawheat     | 0.5 kg (10%) | 77 %  | 97  |

### Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Liberty | 40 g   | 60 min   | 4.5 %      |
| Boil    | Oktawia | 30 g   | 60 min   | 7.1 %      |
| Boil    | Oktawia | 30 g   | 20 min   | 7.1 %      |
| Dry Hop | Oktawia | 50 g   | 3 day(s) | 7.1 %      |

### Yeasts

| Name                  | Type | Form | Amount | Laboratory |
|-----------------------|------|------|--------|------------|
| Danstar - Windsor Ale | Ale  | Dry  | 11 g   | Danstar    |

### Notes

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

- uwarzone 7-10-2018r.  
*Oct 28, 2018, 12:02 PM*