

AIPA

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **69**
- SRM **5.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 4 kg (61.5%) | 80 % | 5 |
| Grain | Wayermann Wiedeński | 0.7 kg (10.8%) | 79 % | 18 |
| Grain | Weyermann - Carapils | 0.5 kg (7.7%) | 78 % | 4 |
| Grain | Pilzneński | 1.3 kg (20%) | 81 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Chinook | 30 g | 60 min | 12.8 % |
| Boil | Cascade | 15 g | 15 min | 5.5 % |
| Boil | Amarillo | 15 g | 15 min | 9 % |
| Boil | Centennial | 15 g | 15 min | 9.5 % |
| Whirlpool | Cascade | 20 g | 30 min | 5.5 % |
| Whirlpool | Amarillo | 20 g | 30 min | 9 % |
| Whirlpool | Centennial | 20 g | 30 min | 9.5 % |
| Dry Hop | Cascade | 20 g | 3 day(s) | 5.5 % |
| Dry Hop | Centennial | 20 g | 3 day(s) | 9.5 % |
| Dry Hop | Amarillo | 20 g | 3 day(s) | 9 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------|
| FM52 Amerykański Sen | Ale | Liquid | 100 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 5 g | Boil | 15 min |