

Sosnowa APA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **24**
- SRM **4.2**
- 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3 kg (54.5%) | 80 % | 5 |
| Grain | Pszeniczny | 0.5 kg (9.1%) | 85 % | 4 |
| Grain | Weyermann - Carapils | 0.5 kg (9.1%) | 78 % | 4 |
| Grain | Pilzński | 1.5 kg (27.3%) | 81 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Warrior | 10 g | 10 min | 15.5 % |
| Boil | Simcoe | 20 g | 20 min | 13.2 % |
| Aroma (end of boil) | Simcoe | 10 g | 1 min | 13.2 % |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------|--------|---------|--------|
| Flavor | Pędy sosny | 50 g | Boil | 1 min |
| Flavor | Pędy sosny | 200 g | Boil | 20 min |