

American Wheat #1

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **21**
- SRM **3.4**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **30 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **30 min** at **72C**
- Sparge using **19.4 liter(s)** of **76C** water or to achieve **29.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|------------|-------|-----|
| Grain | Viking Pilsner malt | 3 kg (60%) | 82 % | 4 |
| Grain | Pszeniczny | 2 kg (40%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil | Chinook | 25 g | 60 min | 8.5 % |
| Aroma (end of boil) | HBC | 50 g | 0 min | 9.3 % |
| Dry Hop | HBC | 50 g | 3 day(s) | 9.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------|------|-------|--------|------------|
| Danstar BRY-97 | Ale | Slant | 200 ml | danstar |