

Pszenica po amerykańsku

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **41**
- SRM **3.4**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **25 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **1 min** at **76C**
- Sparge using **18.3 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|--------------|-------|-----|
| Grain | Pilzneński | 2.5 kg (50%) | 81 % | 5 |
| Grain | Pszeniczny | 2 kg (40%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 0.5 kg (10%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Boil | Chinook | 25 g | 60 min | 12 % |
| Boil | Oktawia | 25 g | 15 min | 9 % |
| Aroma (end of boil) | Oktawia | 25 g | 1 min | 9.5 % |
| Aroma (end of boil) | Centennial | 25 g | 1 min | 8.3 % |
| Dry Hop | Oktawia | 50 g | 3 day(s) | 9.5 % |
| Dry Hop | Centennial | 25 g | 3 day(s) | 8.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|----------------|
| Safale US-05 | Ale | Slant | 180 ml | Fermentumobile |

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|-------------|-----------------|------|------|--------|
| Water Agent | Siarczan wapnia | 3 g | Boil | 60 min |
| Water Agent | Chlorek wapnia | 2 g | Boil | 60 min |
| Herb | Kolendra | 10 g | Boil | 15 min |
| Fining | Whirlfloc T | 1 g | Boil | 15 min |

Notes

- Woda z Biedry 1
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