

WIPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **50**
- SRM **4.8**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **46 liter(s)**
- Trub loss **5 %**
- Size with trub loss **48.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **58.2 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **37.6 liter(s)**
- Total mash volume **50.2 liter(s)**

Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **15 min**

Mash step by step

- Heat up **37.6 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **33.1 liter(s)** of **76C** water or to achieve **58.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|-----------------|-------|-----|
| Grain | Strzegom Pale Ale | 6.27 kg (50%) | 79 % | 6 |
| Grain | Weyermann pszeniczny jasny | 4.18 kg (33.3%) | 80 % | 6 |
| Grain | colorado pale base Viking Malt | 2.09 kg (16.7%) | 75 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|---------|----------|------------|
| Boil | Equinox | 41.82 g | 50 min | 13.1 % |
| Boil | Jarrylo | 41.82 g | 30 min | 15 % |
| Aroma (end of boil) | Amarillo | 41.82 g | 5 min | 9.5 % |
| Aroma (end of boil) | Mosaic | 41.82 g | 5 min | 10 % |
| Dry Hop | Citra | 41.82 g | 5 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|-------|--------|------------|------------------|
| FM20 Białe Walonki | Wheat | Liquid | 1254.55 ml | Fermentum Mobile |

Extras

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

| Type | Name | Amount | Use for | Time |
|------|----------------------------|---------|---------|-------|
| Herb | kolendra | 20.91 g | Boil | 5 min |
| Herb | Curacao | 20.91 g | Boil | 5 min |
| Herb | Skórka słodkiej pomarańczy | 52.27 g | Boil | 5 min |