

Biały Szkwał White IPA (by Dori)

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **42**
- SRM **4**
- Style **American IPA**

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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **14.5 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 | 2.5 kg (46.3%) | 80 % | 5 |
| Grain | Pszeniczny | 1.5 kg (27.8%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 1 kg (18.5%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (7.4%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 25 g | 60 min | 15.5 % |
| Boil | Centennial | 30 g | 1 min | 10.5 % |
| Dry Hop | Mosaic | 50 g | 5 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------|-------|------|--------|------------|
| Brewferm Blanche | Wheat | Dry | 12 g | Brewferm |

Extras

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

| | | | | |
|-------|--------------------------|------|------|-------|
| Spice | kolendra | 10 g | Boil | 1 min |
| Spice | Aframom madagaskarski | 5 g | Boil | 1 min |
| Spice | Curacao | 30 g | Boil | 1 min |