

Biały Kuc 10L

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **67**
- SRM **4.6**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **19 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **10.6 liter(s)**
- Total mash volume **13.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **10.6 liter(s)** of strike water to **74.1C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **7.8 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|---------------|-------|-----|
| Grain | Simpsons - Maris Otter | 2 kg (62.5%) | 81 % | 6 |
| Grain | Pszeniczny | 1 kg (31.3%) | 85 % | 4 |
| Grain | Płatki owsiane | 0.2 kg (6.3%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 15 g | 60 min | 15.5 % |
| Boil | Centennial | 5 g | 30 min | 10.5 % |
| Boil | Chinook | 5 g | 30 min | 13 % |
| Boil | Citra | 5 g | 15 min | 12 % |
| Boil | Centennial | 5 g | 10 min | 10.5 % |
| Aroma (end of boil) | Citra | 5 g | 5 min | 12 % |
| Aroma (end of boil) | Chinook | 5 g | 0 min | 13 % |
| Dry Hop | Citra | 20 g | 3 day(s) | 12 % |
| Dry Hop | Centennial | 20 g | 3 day(s) | 10.5 % |
| Dry Hop | Chinook | 20 g | 3 day(s) | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
| k 97 | Ale | Dry | 5.75 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------------------------|--------|---------|--------|
| Herb | kolendra | 5 g | Boil | 5 min |
| Spice | skórka słodkiej pomarańczy | 12.5 g | Boil | 5 min |
| Spice | skórka cytryny | 12.5 g | Boil | 10 min |
| Spice | rumianek | 1 g | Boil | 2 min |